



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
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No. 32] NEW DELHI, SATURDAY, AUGUST 12, 1989 (SRAYANA 21, 1911)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
Separate paging is given to this Part in order that it may be filed as a separate compilation

भाग III—खण्ड 2

[PART III--SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों के सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 12th August 1989

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The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

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Telegraphic address "PATOFFICE"

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New Delhi-110 005

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Telegraphic address "PATENTOFIC"

1--197GE/89

Patent Office Branch,
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Madras-600 002

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Lakshadive, Minicoy and Amindivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/1, Acharya Jagadish Bose Road,
Calcutta-700 020

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 12 अगस्त 1989

पेटेंट अधिनियम के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जान के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टाउनी स्ट्रैट
तीसरा तल, लोअर परेल् (पश्चिम),
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र
एवं संघ शासित क्षेत्र गोआ, दामन तथा दियू
एवं दादरा और नगर हवेली ।

तार पता-“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
एई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू तथा
कश्मीर, पंजाब, राजस्थान तथा
उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र
चंडीगढ़ तथा दिल्ली ।

तार पता-“पेटेंटोफिक” ।

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600 002.

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र
एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप
मिनिकाय तथा एमिनिविदि द्वीप ।

तार पता-“पेटेंटोफिस” ।

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय भवन,
5, 6 तथा 7 वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता “पेटेंटस” ।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अर्पित सभी आवेदन पत्र, सूचनाएँ, विवरण या अन्य
प्रत्येक पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त
किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जायगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
डाक आदेश या जहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट
अथवा चेक द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India, Part-III, Sec. 2 dated 13th
May, 1989 under the heading “NO PATENTS”.

DELETE 147936 And INCLUDE 147963.

APPLICATION FOR PATENTS FILED AT THE
HEAD OFFICE 234/4 ACHARYA JAGADISH ROSE
ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates
claimed under section 135, of the Patents Act, 1970

The 6th July, 1989

526/Cal/89. Westinghouse Electric Corporation. Improve-
ments in or relative to method for creating,
maintaining and using an expert system.

527/Cal/89. E.I. Du Pont De Nemours & Company. A
process for producing dimethylamine.

[Division of Application No. 322/Cal/86].

The 7th July, 1989

528/Cal/89. Dr. Rajani Kanta Sarkar. Bisolin (Dog bite
oral pill).

529/Cal/89. E.I. Du Pont De Nemours and Company.
Processing aid for polymers.

530/Cal/89. Neff Gewindespindeln Gmbh. Method for
the manufacture of a ball redirecting device in
the nut of a ball screw and ball screw.

531/Cal/89. Fina Technology, Inc. Process and catalyst for
producing syndiotactic polyolefins

The 10th July, 1989

532/Cal/89. Degussa Aktiengesellschaft. Process for deter-
mination of the carbonization potential in gas
carbonization furnaces and a device for this
process.

533/Cal/89. Siemens Aktiengesellschaft. Arrangement for
actuating a quick closing damper.

534/Cal/89. Rockwell Golde GmbhH. Automobile drum
brake of the simplex type.

[Divisional of Application No. 902/Cal/86].

535/Cal/89. Oriental Relays Pvt. Ltd. Composite panels
and shelter made therefrom.

536/Cal/89. Tae Sub Hwang and Yeong Gil Hong.
Method for manufacturing imitative leather
made from hems as raw materials.

537/Cal/89. Arlin C. Lewis. A process for the gasification and/or combined gasification and liquefaction of Carbonaceous materials in an electrolytic cell.

[Division of Application No. 285/Cal/87].

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-6000 002

The 26th June, 1989

494/Mas/89. Minnesota Mining and Manufacturing Company. Acrylic copolymers and method of making the same.

495/Mas/89. Haldor Topsoe A/S. A method of preparing ammonia.

496/Mas/89. Minnesota Mining and Manufacturing Company. Pressure-sensitive adhesive.

497/Mas/89. Inland Steel Company. Method and apparatus for adding shot to molten steel.

The 27th June, 1989

498/Mas/89. Corning Incorporated. Tintable coatings for glass ophthalmic lenses.

499/Mas/89. Magneti Marelli Electrical Limited. Starter motor for an internal combustion engine. (June 28, 1988; United Kingdom).

The 28th June, 1989

500/Mas/89. Indian Institute of Science. A current controlled variable resistor.

501/Mas/89. Maschinenfabrik Reinhausen GmbH. Tap selector for a tapped transformer.

502/Mas/89. Maschinenfabrik Rieter AG. Combing machine.

503/Mas/89. Bunawerke Huls GMBH. Process for deactivating radicals.

The 29th June, 1989

504/Mas/89. Hoogovens Grope B.V. A method for the batch production of steel in an oxygen steel converter with scrap input.

ALTERATION

165080 Anti-dated to 17th December, 1985.
(550/Mas/89)

OPPOSITION PROCEEDINGS

An opposition, entered by M/s Bajaj Auto Limited to grant of a patent on an application for Patent No. 158672 made by M/s Piaggio & C.S.P.A., as notified in Part III, Section 2 of the Gazette of India, dated 12-9-1987, has been dismissed and patent has been ordered to be sealed on the application subject to amendment of the specification.

PATENTS SEALED

163584	163600	163621	163622	163648	163804	163869
163871	163875	163876	163880	163882	163884	163885
163886	163887	163892	163893	163894	163895	163896
163897	163898	163899	163908	163909	163910	163911
163938	163942	163944	163945	163946	163947	163950
163951	163954	163955	163956	163957	163973	163974
163993.						

CAL — 23
DEL — 8
MAS — 6
BOM — 6.

AMENDMENT PROCEEDINGS UNDER SECTION-57

(1)

Notice is hereby given that Foster Wheeler Energy Corporation, a Corporation organised under the laws of the State of Delaware at 110 South Orange Avenue, New Jersey 07039, United States of America have made an application U/s 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 164217 for "Process for the production of Gareons feed for the synthesis of ammonia". The amendments are by way of convention. The application for amendment and the proposed amendment can be inspected free of charge at the Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charge.

Any person interested in opposing the application for amendment may file a notice of opposition on Form 30 within three months from the date of this notification at the Patent Office, Calcutta.

If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the same.

(2)

Notice is hereby given that the Cabot Corporation, a Corporation of the State of Delaware, United States of America, of 125, High Street, Boston, Massachusetts, United States of America, have made an Application under Section 57 of the Patents Act, 1970 for amendment of specification of their Application for Patent No. 163294 for "A FURNACE PROCESS FOR PRODUCING CARBON BLACK". The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on Form 30 amendment may file a notice of opposition on prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta.

If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(3)

Notice is hereby given that M/s Godrej Soaps Limited, of Piroshanagar, Eastern Express Highway, Vikhroli, Bombay-400079, Maharashtra, India, have made an application under section 57 of the Patents Act, 1970 for the amendment of name of the applicant in the application/complete specification for Patent No. 158206 (247/Bom/1983) for "A PROCESS FOR THE ISOLATION OF PLANT GROWTH PROMOTER FROM RICH BRAN FATTY ACID DISTILLATION RESIDUE". The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, Todi Estate, 3rd Floor, Sunmill Compound, Lower Parel (West), Bombay-400 013, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta.

If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice of opposition.

RENEWAL FEES PAID

141505	143360	143434	143762	143765	144513	146262
146787	146789	147277	148562	148649	148813	149632
149830	150283	150842	151101	151153	151328	151450
151470	152059	152155	152304	152316	152955	153429
153430	153932	153983	154001	154336	155761	155786
155787	155808	155860	155886	155890	155917	155932
156249	156271	156272	156569	156643	156759	156760
156761	156762	156763	156764	157033	157151	157223
157371	157559	157700	157775	157867	157869	157938
157944	158067	158099	158131	158135	158367	158458
158483	158508	158890	158909	158910	159188	159279
159288	159289	159374	159376	159377	159399	159468
159492	159563	159567	159908	159962	160010	160208
160209	160284	160287	160334	160352	160503	160561
160563	160688	160760	160821	160828	160837	160891
160901	160949	160951	161088	161136	161263	161291
161483	161507	161584	161647	161697	161788	161810
161971	162084	162091	162094	162142	162175	162177
162245	162251	162321	162329	162345	162413	162416
162462	162498	162542	162571	162630	162631	162821
162854	162860	163254				

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 157383 dated the 27-7-1982 made by Leonard Richard Kahn on the 5-7-1988 and notified in the Gazette of India, Part III, Section 2 dated the 14-1-1989 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 157851 dated the 8th October 1982 made by Angelo Bros. Limited on the 2nd September 1988 and notified in the Gazette of India, Part III, Section 2 dated the 4-2-1989 has been allowed and the said Patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 157204 dated the 18th August 1982, made by Seemallai Paramasivam on the 13-7-1988 and notified in the Gazette of India, Part III, Section 2 dated the 14-1-1989 has been allowed and the said patent restored.

(4)

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 158236 dated the 16th September 1982 made by Dorothee Florence Engel Goldman on the 27th Oct. 1988 and notified in the Gazette of India, Part III, Section 2 dated the 11th Feb. 1989 has been allowed and the said Patent restored.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classification given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4 -.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनो में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अंतिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति से पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदन एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप है।"

नीचे सूचीगत विनिर्देशों की सीमित संख्या में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8, किरण संकर राय राड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जायें तो आतिरिक्त डाक चार्ज)। मुद्रित विनिर्देश की आपूर्ति हेतु माग पत्र के साथ निर्म्मा लिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटों प्रतियाँ यदि हों; के साथ विनिर्देशों की टंकित अथवा फोटों प्रतियाँ की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी उदासी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित स्थिर आरेख कागजों का जोड़कर उसे 4 से गुणा करके; (यदि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4 रु. है) फोटों लिप्यान्तरण प्रभार का परिचालन किया जा सकता है।

CLASS :

165051

Int. Cl. : H 01 L 31/00.

A TRIGGERING ARRANGEMENT FOR A LIGHT-FIRED THYRISTOR.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURG, PENNSYLVANIA 15222, U.S.A.

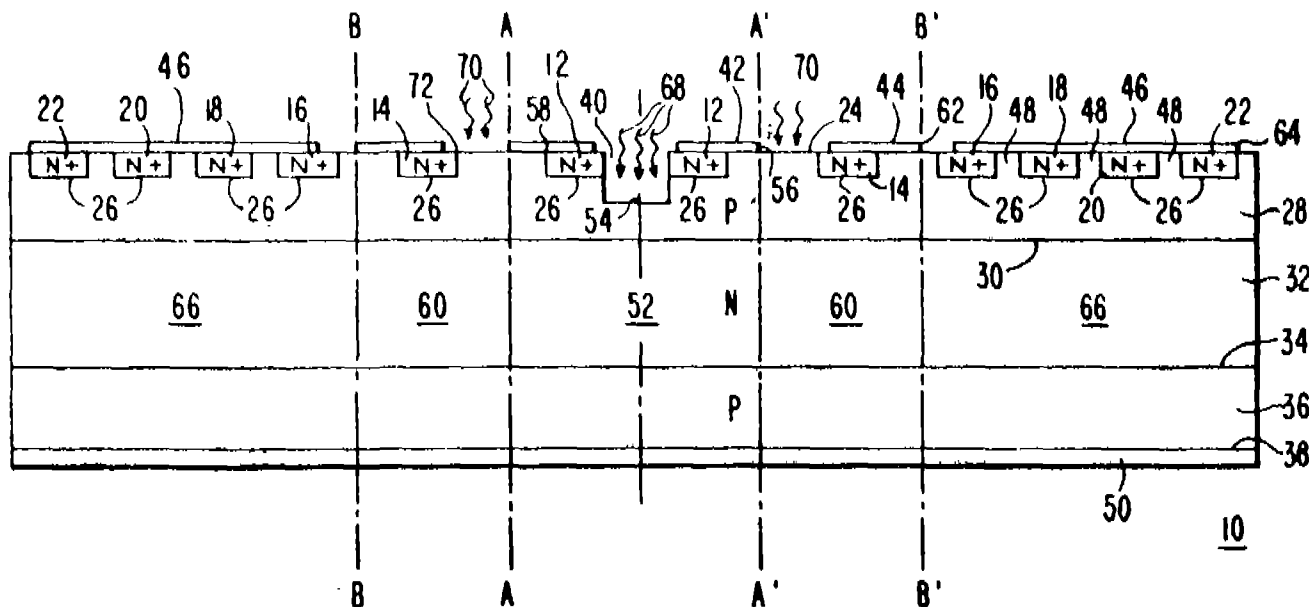
Inventors : (1) YU CHANG KAO, (2) SCOTT GEORGE LESLIE.

Application No. 356/Cal/85 filed May 08, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A triggering arrangement for a light-fired thyristor (10) having a photocathode area (52) with walls forming an optical well (40) therein, an amplifying gate area (60) and a main cathode area (66) said triggering arrangement comprising a first light source (70) adapted to apply light energy sufficient to excite carriers in at least the said amplifying gate area and a second light source (68) adapted thereafter to direct light energy at, at least said optical well for triggering said photo-cathode area.



Compl. specn. 9 pages

Drg. 1 sheet

CLASS : 40-B, 77-A & C

165052

Int. Cl. : C 01 c 57/00, 69/52; C 11 c 3, 00.

PROCESS FOR THE PRODUCTION OF CONJUGATED COMPOUNDS FROM OF POLYUNSATURATED FATTY SUBSTANCES.

Applicant : IEL LIMITED FORMERLY KNOWN AS INDIAN EXPLOSIVES LIMITED, OF ICI HOUSE, 34 CHOWRINGHEE ROAD, CALCUTTA-700 071, WEST BENGAL, INDIA.

Inventors : (1) CHAKRAVARTHULA SRINIVASA NARASIMHAN, (2) DOBLE MUKESH, (3) VINAYAK MADHUKAR DESHPANDE, (4) RAJENDRA GOPI-NATH GADKARI.

Application No. 417/Cal/85 filed June 01, 1985.

Complete specification left on 26th August, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for the production of conjugated compounds of polyunsaturated fatty substances containing up to 18 carbon atoms present in vegetable oils of the kind such as herein described of the fatty acids derived from said vegetable oils and of the alkyl esters of such fatty acids which comprises contacting at a temperature of from 180°C to 260°C a vegetable oil, a fatty acid derived from a vegetable oil or an alkyl ester of said fatty acid with a

bi-metallic catalyst system comprising nickel and ruthenium wherein the ratio of ruthenium to nickel in terms of weight in grams is from 3 : 1 to 1 : 3, said catalyst system being provided on a support of the kind described herein and thereafter separating in a manner known per se conjugated compounds so produced from said catalyst.

Compl. specn. 18 pages

Drg. Nil

Prov. specn. 9 pages

Drg. Nil

CLASS : 13-A, 136-E

165053

Int. Cl. : B 31 b 49/04.

PROCESS FOR THE MANUFACTURE OF A TUBULAR SEMIMANUFACTURED ARTICLE OF PLASTICS FOR THE MANUFACTURE OF SACKS OR THE LIKE AND THE ARTICLE SO PRODUCED.

Applicant : FRANZ XAVER HUEMER, OF SONNE-NUHRGASSE 4, 1060 VIENNA, AUSTRIA.

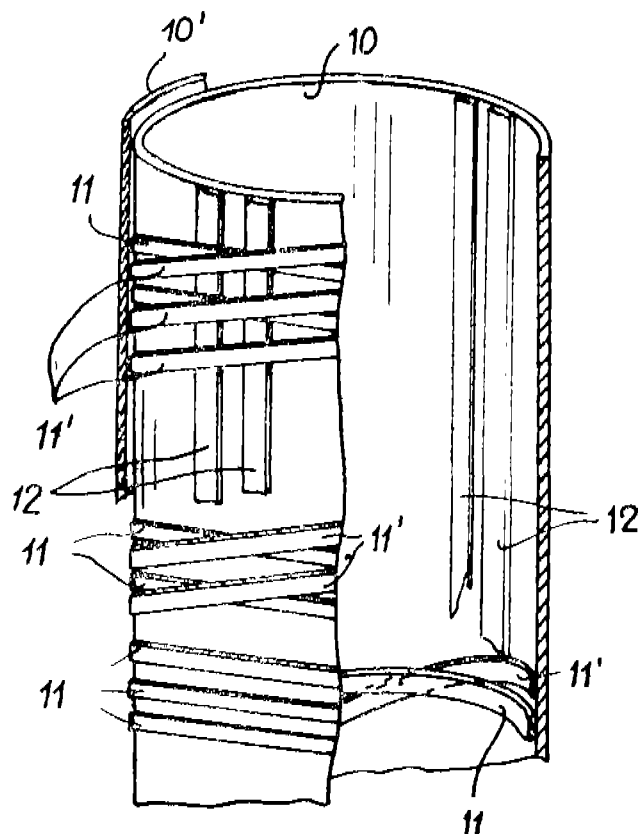
Inventors : FRANZ XAVER HUEMER.

Application No. 561/Cal/85 filed July 31, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Process for the manufacture of a tubular semi-manufactured article of plastics for the manufacture of sacks or the like, characterised in that at least one tubular extrudate of a thermoplastics is reinforced with narrow slit-film tapes or the like of a plastics or the like in its circumferential direction and/or in its longitudinal direction, and the whole is joined together in a warm, soft state.



Compl. specn. 14 pages

Drg. 2 sheets

CLASS : 12-C

165054

Int. Cl. : C 21 d 1/00, 7/00.

METHOD FOR PRODUCING A HIGH STRENGTH, HIGH DUCTILITY STEEL.

Applicant : THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, OF 2199 ADDISON STREET, BERKELEY, CALIFORNIA 94720, U.S.A.

Inventors : (1) GARETH THOMAS, (2) IAE-HWAN AHN, (3) NACK-JOON KIM.

Application No. 556/Cal/85 filed July 29, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

In a method for producing a high strength, high ductility steel characterised by an ultra-fine fibrous ferrite-lath martenside or ferrite-bainite microstructure, comprising heating a steel composition at a temperature T_1 , above the austenite recrystallisation region of the steel composition,

for a period sufficient to substantially completely austenize said composition ;

hot rolling said composition in the austenite recrystallization region at a temperature T_2 within the austenite recrystallization region of the steel composition, and further rolling in the non-recrystallization γ -region at temperature T_3 the improvement comprising the steps of

rolling said composition at a temperature R_1 wherein T_4 is a temperature below the effective transition point A_{r_3} within the (α | γ) region.

rapidly quenching said composition to an ambient temperature to convert the austenite to lath martensite or bainite; said optionally cold deforming said composition into a shaped product such as wire, rod or sheet.

Compl. specn. 13 pages

Drg. 1 sheet

CLASS : 206-E

165055

Int. Cl. : H04 b 7/00; 7/20.

A RADIO COMMUNICATION SYSTEM.

Applicant : GEOSTAR CORPORATION, LOCATED AT 101 CARNEGIE CENTER, SUITE 302, PRINCETON, NEW JERSEY 08540, U.S.A.

Inventors : (1) GERARD KITCHEN O'NEILLE, (2) LESLIE ORIN SNIEVELY.

Application No. 625/Cal/85 filed August 30, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

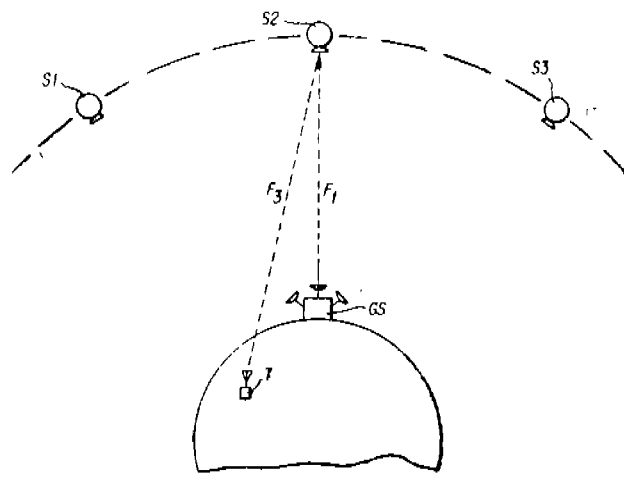
20 Claims

A radio communication system comprising:

a central station for transmitting interrogation signals over a radio communication link;

a remote transceiver such as herein described for receiving interrogation signals from the central station over said radio communication link, and for transmitting reply signals to the central station in response to the interrogation signals; and

control means such as herein described in said remote transceiver for measuring the quality of the radio communication link between the central station and the remote transceiver, and for allowing the transmission of a reply signal by the transceiver only when said communication link has a predetermined minimum quality.



Compl. specn. 42 pages

Drg. 10 sheet

CLASS : 32-E & 152-E

165056

CLASS : 34-A

165057

Int. Cl. : C 08 f 29/16, 29/46, 45/00.

A SOLVENT-BORNE COATING COMPOSITION.

Applicant : THE GLIDDEN COMPANY, AT 925 EU-LID AVENUE, CLEVELAND, OHIO 44115, U.S.A.

Inventors : (1) TIMOTHY IVAN MEMMER, (2) PETER THOMAS ABLE.

Application No. 661/Cal/85 filed September 17, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A solvent-borne coating composition for application to exterior building product substrate comprising on a resins solids basis :

(a) from 10% to 50% by weight of a fluorocarbon resin.

(b) from 20% to 89% by weight of an acrylic resin.

(c) from 1% to 30% by weight of a flow modifier;

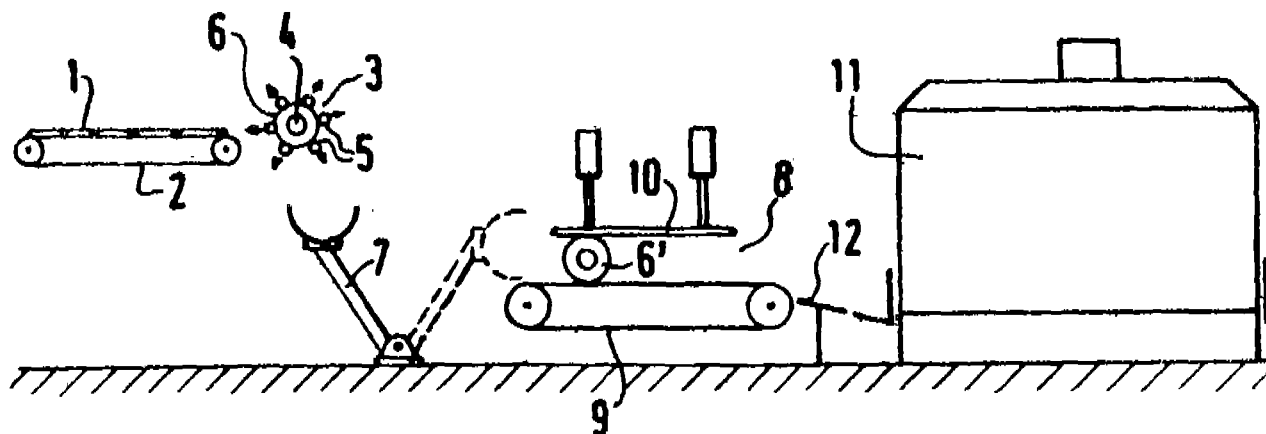
said modifier selected from the group consisting of benzoguanamine resin, a blocked isocyanate or a polymeric urethane;

optionally with a cross linking agent such as described herein; and

a chromate pigment such as described herein being present in amounts as herein described.

Compl. specn 13 pages

Drg. Nil



Compl. specn. 26 pages

Drg. 5 sheets

CLASS : 131-B3

165058

Int. Cl. : E 21 b 7/00; E 02 d 27/00.

REVERSIBLE PNEUMATIC UNDERGROUND PIER-CING TOOL.

Applicant : ALLIED STEEL & TRACTOR PRODUCTS, INC., 5800 GARPER ROAD, SOLON, OHIO 44139, U.S.A.

Inventor : EDWARD J. BOUPLON.

Application No. 741/Cal/85 filed October 17, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

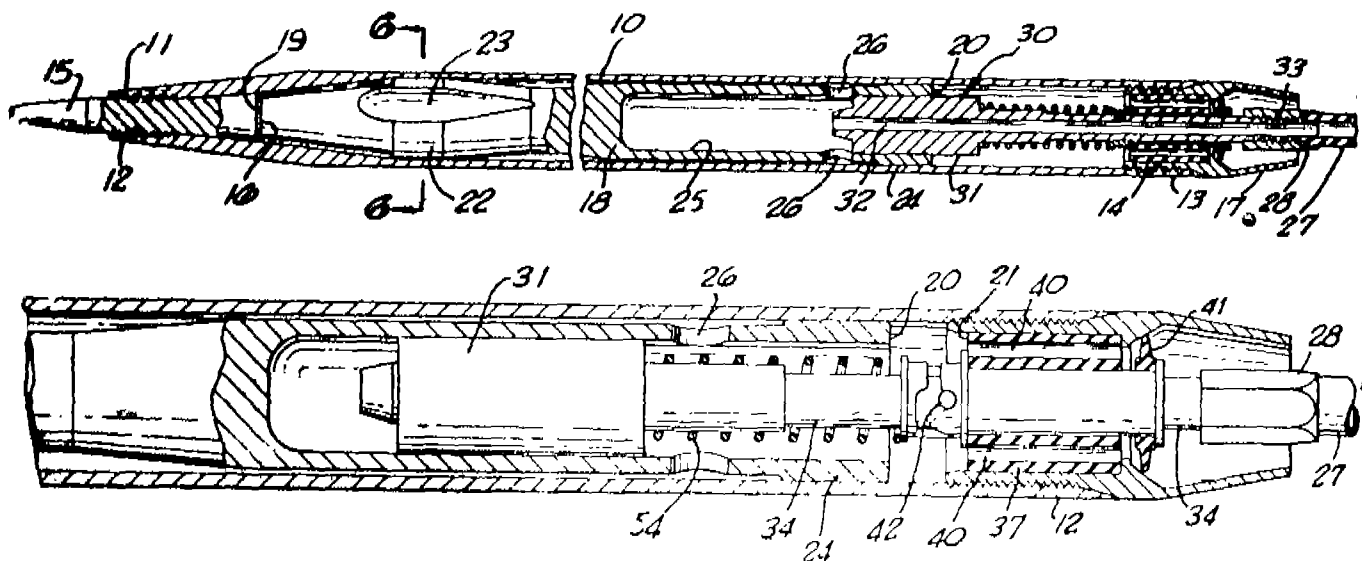
20 Claims

A reversible pneumatic underground piercing tool having an outer housing (10) having mounted therein an elongated tubular valve member (30) having one end provided with means (28) for connection to a pneumatic hose (27)

for the supply of compressed air and for rotating the valve member relative to said housing when pneumatic pressure is disconnected therefrom, said valve member (31) being received within a chamber (25) in a hammer piston (18) reciprocable in said housing and cooperating with an aperture (26) through the side of the piston chamber whereby the supply of compressed air to the valve member will cause reciprocation of the hammer piston in said housing, said valve member in different selected rotated positions (42c, 42d) being so located as to actuate the hammer piston to cause forward or backward movement of the tool as required, characterised in that the valve member is axially locatable in two axially displaced positions (42c, 42d) respectively to control forward and reverse movement of the tool, there being provided interengaging means (142, 143) for guiding and restricting movement of the valve member (31) relative to the housing whereby when the pneumatic pressure is disconnected the valve member is rotatable in one axial position by rotation of the hose between two different predetermined angular positions (42a, 42b) less than 360° apart, said interengaging means including means (49, 50) for guiding the valve member to

one or other of said two axially displaced positions (42c, 42d) upon reconnection of pneumatic pressure depending

upon the particular one of the two angular positions (42a, 42b) occupied.



Compl. specn. 21 pages

Drg. 7 sheets

CLASS : 32

165059

Int. Cl. : C 07 c 119/042.

AN IMPROVED PROCESS FOR THE PREPARATION OF ISOCYANATES.

Applicant : E.I. DU PONT DE NEMOURS AND COMPANY, LOCATED AT WILMINGTON, DELAWARE, U.S.A.

Inventors : VELIYUR NOTT MALIKARJUNA RAO, AND GEORGE EDWARD HEINSOHN.

Application No. 780/Cal/85 filed November 04, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

An improved process for the preparation isocyanates of the formula $R(NCO)_n$ where R is a C_1-C_{10} alkyl, cycloalkyl, aryl, alkaryl, or aralkyl group and n is 1 or 2, by reacting a corresponding formate of the Formula $R(NH-CO-H)_n$ with Oxygen or an oxygen-containing gas at 40-700°C in the presence of a silver catalyst, wherein the improvement comprises performing the reaction in at least two essentially adiabatic reaction stages in series and wherein the improvement is characterized by :

- introducing the formamide and gas containing upto 70% of the stoichiometric amount of oxygen to the first reaction stage at a temperature sufficiently low to maintain the temperature of the reaction in the first stage at 700°C or below;
- introducing additional oxygen to the reaction mixture effluent of first stage and cooling as needed; and
- introducing the resultant reaction mixture of step (b) to the succeeding reaction stage at a temperature sufficiently low to maintain the temperature of the reaction in the succeeding stage at 700°C or below;

- if more than two stages are employed, introducing additional gas containing oxygen to the reaction mixture effluent of each non-final for feed to the succeeding reaction stage operated in accordance with the conditions of step (c).

Compl. specn. 16 pages

Drg. Nil

CLASS : 206-E

165060

Int. Cl. : G 05 11/00.

A CONTROL APPARATUS UNIT, IN A DISTRIBUTED PROCESS CONTROL SYSTEM.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, U.S.A.

Inventors : (1) WARREN ALBERT EDBLAD, (2) SCOTT MARSHALL SHAW, (3) CUONG NGUYEN, (4) DAVID MICHAEL ORAVETZ, (5) KIRK DOGG- LAS HOUSER.

Application No. 782/Cal/85 filed November 04, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

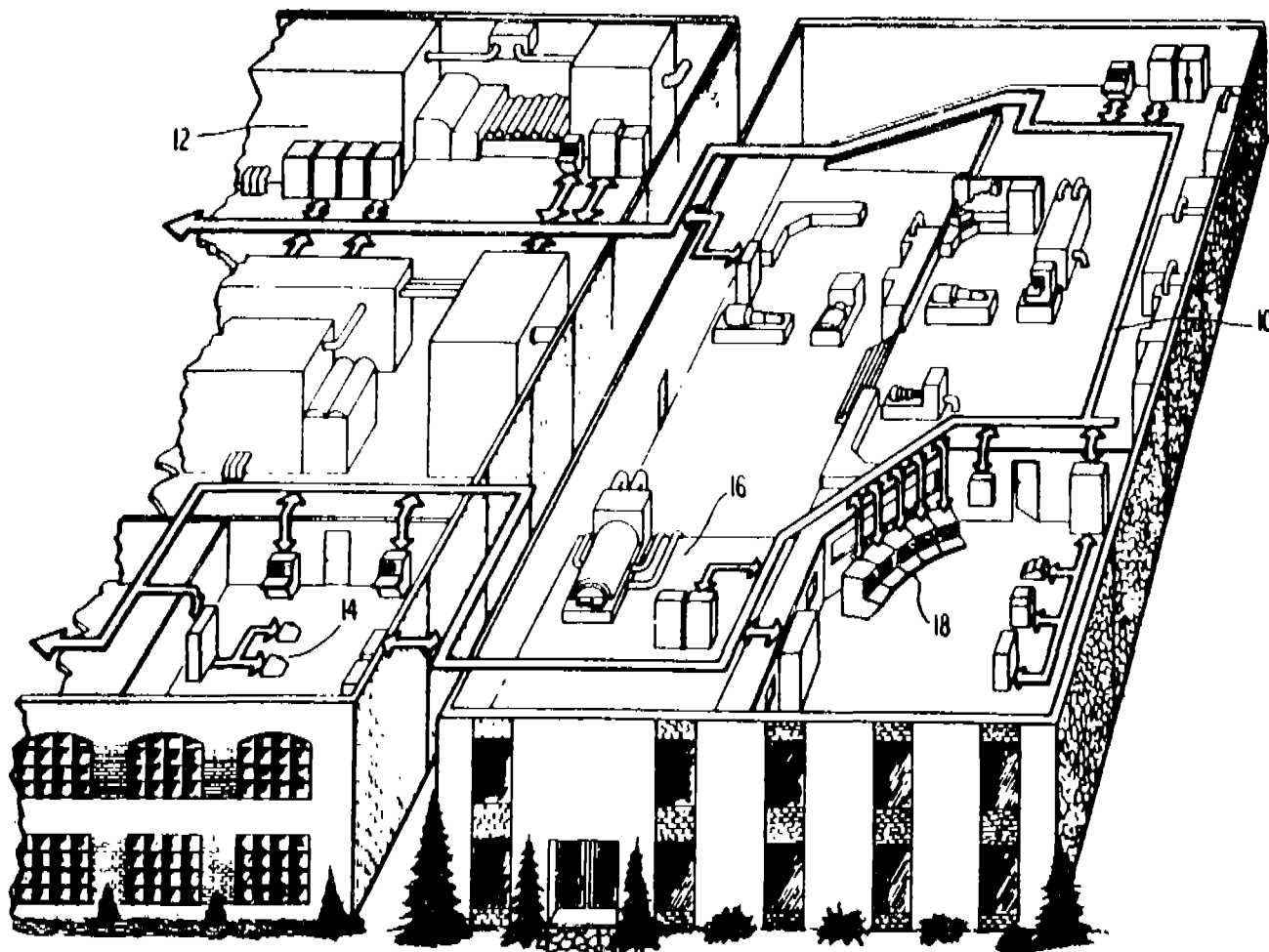
2 Claims

A control apparatus unit, in a distributed process control system having a data highway connecting a plurality of said control apparatus units each of which is programmable to provide a control operation for a local or remote portion of a process operation, said control apparatus unit comprising :

- a first means connected to said data highway and having a memory means for storage of a first set of process input data received from said data highway and associated with said remote process operation portion;
- a second means for providing a second set of process input data associated with said local process operation portion;

microprocessor means connected to said first and second means for processing said first and second sets of process input data in accordance with execution instructions directed to process modulation, sequential control or supervision of said local and remote process portions and providing a set of output data;

said microprocessor means passing portions of said output data either to said second means for adjusting said local process operation level in accordance with said control operation or to said first means for transmission on said data highway or further processing in said control apparatus unit.



Compl. specn. 76 pages

Drg. 16 sheets

Ind. CLASS : 67C

165061

Int. Cl. : G06 F—12/00.

MMICROPROCESSOR ASSISTED MEMORY TO MEMORY MOVE APPARATUS.

Applicant : HONEYWELL INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING ITS OFFICE AT HONEYWELL PLAZA, MINNEAPOLIS, MINNESOTA 55408, U.S.A.

Inventors : 1. RONALD J. FREIMARK, 2. STEVEN A. ROSE,.

Application No. 183/Bom/86, filed on Jul 8, 1986.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

Microprocessor Assisted Memory to Memory Move apparatus in data processing system which includes a peripheral controller for controlling data movement between a peripheral register and memory means using an address and data

bus, and microprocessor operatively connected to said data and address bus, to the peripheral controller and the memory means : wherein the improvements comprise :

said memory means including a plurality of memory segments with each memory segment including a plurality of memory modules and each memory module having a plurality of addressable locations for storing data, a first memory segment being utilized for moving data from a RAM module of the first memory segment to a peripheral register at an addressable location of a buffer module of the first memory segment, and a second memory segment said second memory segment being utilized for moving data from a peripheral register of a buffer module of the second segment to a RAM module of the second segment, the size and location of corresponding memory modules of the first and second segments being the same;

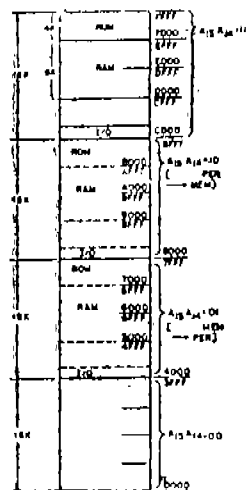
said peripheral controller means producing a first control signal when data stored in a peripheral register of the second segment to be moved to addressable memory locator of a RAM module of the second memory segment and a second control signal when data is to be moved from a RAM module of the

first segment to a peripheral register in the buffer module of the first segment;

said processor means performing a pseudo operation in response to the peripheral controller producing a first or second control signal, said processor means producing address signals of an addressable location of a RAM module of a memory segment and read/write control signals; and

logic means (50) operatively connected to said memory, to said processor means, and to said peripheral controller for generating logic control signals in response to selected address signals and read/write con-

trol signals produced by the microprocessor, said logic control signals causing a predetermined data movement to occur between a given memory location of a RAM module and a given peripheral register of a memory segment of said memory means.



Compl. specn. 17 pages

Drg. 2 sheets

CLASS : G06F, 12/00

165062

A MEMORY ACCESS MODES FOR A VIDEO DISPLAY GENERATOR.

Applicant : HONEYWELL INC. A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING ITS OFFICE AT HONEYWELL PLAZA, MINNEAPOLIS, MINNESOTA 55408, UNITED STATES OF AMERICA.

Inventors : (1) KEVIN P. STAGGS, (2) CHARLES J. CLARKE.

Application No. 186/Bom/1986 filed on 9th July, 1986.

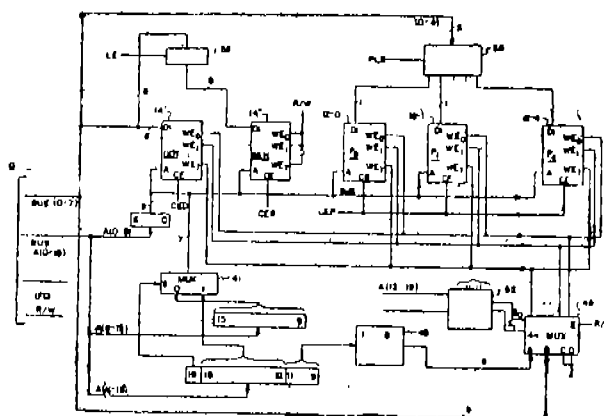
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims

Memory access modes for a video display generator comprising a display system, a central processing unit (CPU) and a display memory for storing information to be displayed, and said display memory having :

- first storage means for storing dot information;
- second storage means for storing behavior information;
- third storage means, operatively connected to said first storage means, for storing characteristic information, wherein said first, second and third storage means are each arranged in an $n \times m$ plane

where m is an addressable location and each addressable location within each plane has n bits of information, and further wherein each of said first, second and third storage means has address terminals each operatively connected to a display address bus adapted to receive address information from said CPU; and arrangement is such that control logic means, having input terminals adapted to receive address signals, data signals, and control signals from said CPU, said control logic means operatively connected to said first, second and third storage means, for generating enable control signals to selectively enable access to predetermined combinations of said first, second and third storage means in response to said address, data, and control signals from said CPU.



Comp. specn. 24 pages

Drg. 3 sheets

CLASS : 160 C + F [LI(4)], 67 C [LI(2)].

165063

Int. Cl. : G 06 F - 11/26.

AN APPARATUS FOR ON-LINE VERIFICATION OF VIDEO DISPLAY SYSTEM.

Applicant : HONEYWELL INC. A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING ITS OFFICE AT HONEYWELL PLAZA, MINNEAPOLIS, MINNESOTA 55408, UNITED STATES OF AMERICA.

Inventors : KEVIN P. STAGGS.

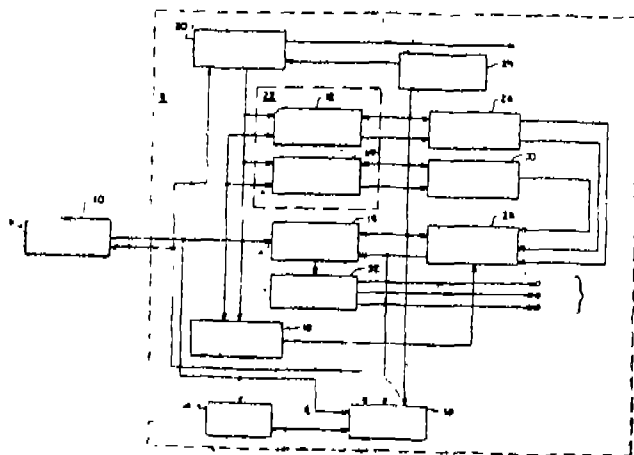
Application No. 187/Bom/1986 filed on July 9, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay.

5 Claims

An apparatus for on-line verification of video Display System having means for producing color look up memory is storing color control signals in addressable storage location, the color control signals stored in an addressable location of the color look up memory determining the color and intensity of each pixel of a raster scan color CRT scanned by electron beams of the CRT, the pixels of the CRT being arranged in horizontal lines and vertical columns, the line and column number of each pixel constituting each pixels address; a RAM display memory having addressable memory locations for storing binary data; clock means for producing clock signals, the frequency at which each pixel in a given horizontal line of pixels of the array of pixels of the CRT is scanned by the scanning electron beams of the CRT, address counter means to which the clock signals are applied for producing address signals of a pixel as that pixel is scanned, the address signals of a pixel also being the address of a memory loca-

tion in the display memory, said address counter means producing addresses during each horizontal and vertical retrace operation of the electron beams of the CRT, a horizontal line retrace operation beginning when the last pixel of a horizontal line is scanned and a vertical retrace operation beginning when the last line of a set of horizontal lines of the raster is scanned by the electron beams of the CRT; said display memory having an addressable location for each address produced by the address counter means and the addresses of which are the addresses produced by the address counter means, and characterised in that; graphic controller means for writing into the display memory binary data signals at addresses corresponding to the addresses of pixels of the CRT, said data signals when read from the display memory in response to address signals being applied thereto by the address counter means being utilized by the video display generator to produce a set of color address signals, said graphics controller means writing test data into addressable locations of the display memory having addresses produced by the address counter means during a retrace operation; and snapshot register means for storing color address signals produced by the video display generator when test data stored in the display means is read out of the display memory; said graphics controller means comprising the color address signals stored in the snapshot register means with the color address signals that the test data stored in the display memory means should cause the video display generator to produce to determine the accuracy of operation of the video display generator.



Compl. specn. 21 pages.

Drgs. 3 sheets

Int. Cl. : G 06 f - 11/10.

165064

AN APPARATUS OF PARITY INTEGRITY CHECK LOGIC.

Applicant : HONEYWELL INC, HONEYWELL PLAZA, MINNEAPOLIS, MINNESOTA 55408, U.S.A.

Inventor : DAVID L. KIRK.

Application No. 188/Bom/1986 filed on July 9, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

3 Claims

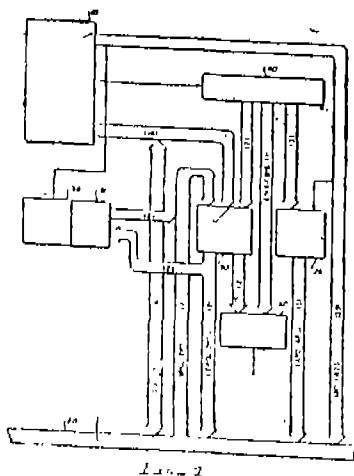
1. An apparatus of parity Integrity Check Logic in a computer system having a plurality of modules including a processing module, said processing module including a plurality of circuit components, one circuit component being a CPU for executing instructions, for generating control signals, and

for producing sets of binary data signals and sets of binary address signals, said sets of signals being transferred between circuit components of a module via data and address lines and between modules connected to a module bus via the module bus, the sets of data signals transmitted over the module bus and the sets of data signals from addressable circuit components of a module capable of storing sets of data bits including a parity bit associated with each such set of data bits, each module including parity error detection circuit means for checking the validity of a set of bits and the set's associated parity bit; and further characterised in that :

(a) Parity control register means for receiving control bits and a set of data bits from the CPU and for producing in response thereto binary parity control signals and a binary enable/disable control signal under the control of the CPU; data parity and parity error check generator means operatively connected to the data lines of the processor module for receiving as inputs a set of data bits asserted on the data lines and for outputting a parity bit for the set of data bits applied during a write operation in execution by the CPU and for outputting a check bit indicating the validity of a set of data bits and the set's associated parity bit applied to the generator means when associated parity bit applied to the generator means when the CPU is executing a read operation; and gate means for controlling one input signal to the data parity generator, said gate means having applied to it a parity control signal from the parity control register means, a binary read/write control from the CPU and a parity bit associated with a set of data bits asserted on the data lines, said gate means causing the parity bit produced by the generator means to be valid if the read/write control signal has a value denoting a write operation is in process, and if the parity control signal has one value, and the parity bit produced to be invalid under the same conditions if the parity control signal has its other value, said gate means causing the check bit signal produced by the generator means to be valid if the read/write control signal has a value denoting a read operation is in execution and if the parity bit applied to the gate means is valid and for the check bit signal produced by the generator means to be invalid under the same conditions if the parity bit applied to the gate is invalid, whereby the CPU can cause the data parity and parity error check generator means to produce an invalid parity bit for a set of data bits, write that set of data bits and its invalid parity bit into an addressable location in a circuit component of the processor module, said the set of data bits and its associated parity bit from the location in which it is stored in the circuit component to check the operation of data parity error check generator;

(b) Error detection means operatively connected to said data parity and parity error check generator means and to the parity control register for outputting an error signal in response to the parity control register producing an enable signal and the data parity and parity data check generator means producing an invalid check bit, and circuit means for applying the error signal to the CPU; and

- (c) Address parity generator means operatively connected to the address lines for receiving a set of address bits asserted on the address bits and for outputting a parity bit for the set of address bits applied, said address parity generator means producing a valid parity control bit of a parity control bit applied to the address parity generator from the parity control register means has one value and an invalid parity bit if the address parity control bit has its other value.



Compl. specn. 15 pages.

Drgs. 3 sheets

CLASS : 67 C LI(2).

165065

Int. Cl. : G 06 F - 13/14.

CHANNEL NUMBER PRIORITY ASSIGNMENT APPARATUS.

Applicant : HONEYWELL INFORMATION SYSTEMS INC., A CORPORATION INCORPORATED UNDER THE LAWS OF THE STATE OF MINNESOTA, UNITED STATES OF AMERICA, HAVING ITS OFFICE AT HONEYWELL PLAZA, MINNEAPOLIS, MINNESOTA 55408, UNITED STATES OF AMERICA.

Inventors : 1. GEORGE J. BARLOW 2. JAMES W. KEELEY, 3. ELMER W. CARROLL.

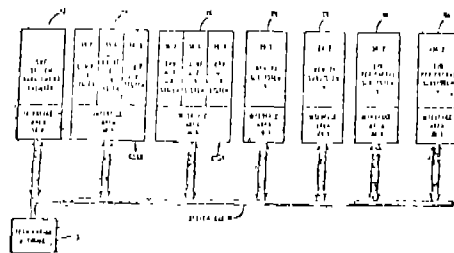
Application No. 197/Bom/1986 filed on July 17, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay.

4 Claims

Channel number priority assignment apparatus for a data processing system including a plurality of units having a number of identical units which are coupled to a common bus for transferring requests between said units on a priority basis defined by a distributed priority network on the basis of a unit's physical position on said bus, each of said units including circuits for receiving a plurality of priority signals defining said physical position, each of said number identical units further including a channel register, first input means connected to said bus for receiving at least a predetermined one of said priority signals from said priority network a grant logic, second input means connected to said bus for receiving a signal indicating an interval of time when said priority network is in an idle condition defined by said plurality of priority signals; and storage means connected to said first

and second input means, said storage means being conditioned by said second input means to store an indication of the state of said predetermined one of said priority signals applied by said first input means during said idle condition which uniquely defines the identity of said unit in transferring requests to said common bus.



Compl. specn. 16 pages.

Drgs. 3 sheets

CLASS : 117 A, 117 B.

165066

Int. Cl. : E 05 B - 65/

AN IMPROVED LOCKING DEVICE FOR LUGGAGE, SUITCASES, BRIEFCASES AND THE LIKE FOR PREVENTING THEIR OPENING IN UPSIDE DOWN POSITION.

Applicant : SAFARI INDUSTRIES (INDIA) LIMITED, 107/0, KHETANI TEXTILE COMPOUND, BAZARWARD, KURLA, BOMBAY-400 070, MAHARASHTRA, INDIA.

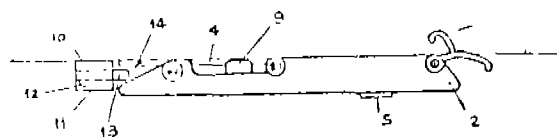
Inventor : GULAB ATMASINGH MANSUKHANI.

Application No. 244/Bom/1986 filed on Aug. 29, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

3 Claims

An improved locking device for luggage, suitcases, briefcases and the like for preventing their opening in upside down position comprising a back plate L-shaped which is fixed to bottom part of the luggage body and having a latching slot at front end on shorter side and a front cover is slidably hinged with a pin at rear inner end with the back plate and said front cover is provided with a lock body to latch front cover and back plate on locking and said front cover provided with a latching lip to engage into slotted member fixed to top cover of luggage and said back plate and front cover are hinged by a toggle link and a spring is fixed between said back plate lug and said hinged pin end latching device is fixed adjacent to said rear/inner end of back plate arrangement is such that when said luggage is locked and kept upside down the lever of said latching device due to gravity enters into the gap between said back plate and front cover and prevents opening of lock and when said luggage is kept top side up position the said lever of latching device rotates back out of the gap between said back plate and front cover to enable to unlock.



Compl. specn. 6 pages.

Drg. 1 sheet

CLASS : 48 B + D - LVIII (3).

165067

Int. Cl. : F 16 G - 11/02, H 02 G - 1/06, F 16 L - 3/00.

CARRIER FOR ENERGY AND SUPPLY LINES.

Applicant : KABELSCHLEPP GmbH (A COMPANY UNDER THE LAWS OF WEST GERMANY) AT MARIENBORNER STR. 75, 5900, SIEGEN, WEST GERMANY.

Inventor WERNER MORITZ.

Application No. 267/Bom/86 filed on Sept. 24, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay.

8 Claims

A carrier for energy and other supply lines being disposed between a fixed connection and a moving consuming device, said carrier comprising :

a plurality of interlocking pairs of links and pairs of brackets, which can be angled relative to one another;

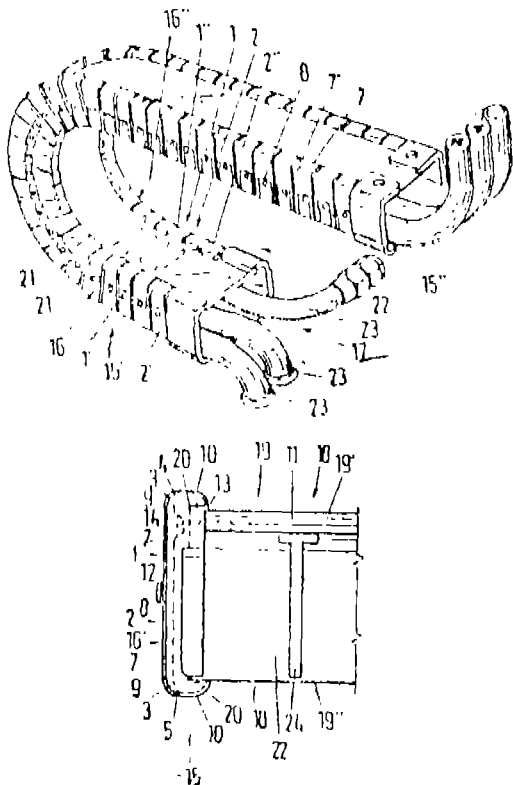
said links of a given pair being inwardly disposed on opposite sides forming side walls for the said carrier, with each of the said links provided with outwardly projecting stops;

one or more respective cross-pieces secured to each of said pair of links and disposed in the recess provided therebetween;

said brackets of a given pair being outwardly disposed on opposite sides, each of the said brackets provided with inwardly projecting stops, which interconnect adjacent links with the said outwardly projecting stops of the said links;

on the upper and lower sides of the said carrier, said links and brackets leave openings that extend in the longitudinal direction of the said carrier;

each of the said upper and lower openings is spanned in a cantilever or a self-supporting manner by means of a pair of flexible cover strips one spanning each of the said openings, with each of the said strips being disposed between corresponding ends of the said links of a given pair of links, on opposite sides of a given one of said openings.



Compl. specn. 15 pages.

Drgs. 2 sheets

CLASS : 154 D [XXXVII(1)].

165068

Int. Cl. : B 41 F - 21/00.

PAPER FEEDING MECHANISM FOR PRINTER.

Applicant : SEIKOSHA CO. LTD. A COMPANY INCORPORATED IN JAPAN, OF 6-21, KYOBASHI 2-CHOME, CHUO-KU, TOKYO, JAPAN.

Inventors : AKIO TAJIMA.

Application No. 302/Bom/86 filed on Oct. 30, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay.

2 Claims

A paper feeding mechanism for a printer comprising :

in combination, a platen with its shaft passing through a platen bearing and rotatably supported in a frame;

the said platen bearing provided with a knob at its outward projecting end and a cam portion at its intermediate portion, the said cam portion at its cam surface including a first position cam surface portion;

a second positioning cam surface portion;

a third positioning cam surface portion and a switch pressing cam surface portion, all portions being of different radius, the side surface of the cam portion being provided with a slot;

a paper pressing lever rotatably attached to a shaft provided on the said frame and supporting a paper pressing roller at one end and a connecting bar at the other end, the free end of the said connecting bar being provided with projecting pin engaging in the said slot of the cam portion for swingly driving the said paper pressing lever in response to rotation of said cam portion;

a cam follower engaging with the said cam surface portion rotatably provided at the end of a cam follower lever, the other end of which being mounted on a support shaft rotatably supported in the said frame parallel to the said platen;

a support arm fixed on said support shaft being swingingly displaced in response to rotation of the said support shaft;

a pinch roller being resiliently urged against the said platen mounted at one end of a roller receiver connected with the said support arm a connecting means, consisting of a connecting notch formed at the other end of the said roller receiver and a connecting shaft provided at the tip of the said support arm, for rotatably and movably connecting one end portion of said support arm and the other end portion of said roller receiver;

a protrusion formed in the said support arm engaging protrusion receiver formed in the said roller receiver;

a tension spring stretched between said support arm and said roller receiver;

the said first, second and third positioning cam surface portions being selectively followed by said cam follower for displacing said cam follower lever into selected one of three rotational positions, said switch pressing cam surface portion pressing a switch for a paper feeding motor, disposed under the said cam portion, to turn the said motor on/off.

Compl. specn. 14 pages.

Drgs. 3 sheets

CLASS : 89 [XLI (6)].

165069

2 Claims

Int. Cl. : G 01 N - 3/40.

AN IMPROVED PROBE FOR A PORTABLE ULTRASONIC METAL HARDNESS TESTER.

Applicant & Inventor : GRIDHARI BALRAM RADHA-KRISHNANI, 24 B, SAGAR SANGEET, 58 COLABA ROAD, BOMBAY-400 005. MAHARASHTRA. INDIA AN INDIAN NATIONAL.

Application No. 217/Bom/1987 filed on 7th July, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

5 Claims

An improved probe for a portable ultrasonic metal hardness tester comprising :

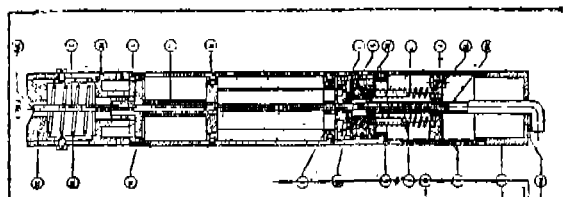
a hollow main body, made in a single piece or made in one or more screwable segments, having a cap fitted at the top and a base plate at the bottom, upper and lower stoppers provided in the upper section of the body;

a magnetostrictive rod indenter held in an indenter holder placed above the said lower stopper;

the indenter having a diamond pyramid tip at the lower end and one or more helical load springs held on screwably threaded load spring holders and clamped in a load spring pressure adjustment nut, at its upper end;

a bobbin wound with excitation and magnetisation coils fixed to the said base plate and to the main body, piezoelectric (PZT) crystal/crystals duly compressed by PZT pressure adjustment nut against the indenter holder provided above the said indenter holder for giving desired natural resonance frequency of the probe;

the said indenter passing through the said bobbin and projecting down from the said base plate.



Compl. specn. 7 pages.

Drg. 1 sheet

CLASS : 86 B [LXVI(4)].

165070

Int. Cl. : A 47 D - 1/10, 9/00.

IMPROVED BABY CHAIR CUM CRADLE.

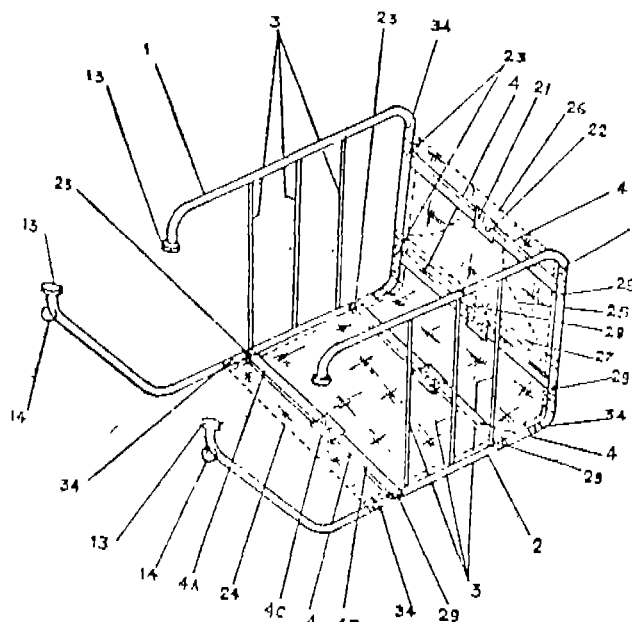
Applicant & Inventor : RAMESH KUMAR JAIN, C/o. JAWAHAR TALKIES, DR. RAJENDRA PRASAD ROAD, MULUND (WEST), BOMBAY-400 080, MAHARASHTRA, INDIA, INDIAN, AND BASTIMAL JAIN, ADVOCATE, P.O. BALI, VIA-FALNA, DIST. PALI, RAJASTHAN INDIA, INDIAN.

Application No. 1/Bom/1988 filed on 6th Jan. 1988.

Patent of Addition to Patent No. 163061 dated 7 April, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

An improved Baby Chair cum Cradle as claimed in our main patent No. 163061 wherein the said side frames are connected together by four foldable connecting links instead of the said foldable seat frame, each of the said foldable connecting links consisting of two arms and a U-Clip, the said two arms of the said foldable connecting link are provided with two holes each and the said U-Clip is provided with two holes, one end of each of the said arm is hingedly fitted to the said U-clip by inserting the pins through the holes provided on the said arms and the said U-clip, the other end of each of the said arms is hingedly fitted to the said middle arms of each of the said side frames by inserting pins through the holes provided on the said link arms and the said arms of the said side frames.



Compl. specn. 7 pages

Drgs. 5 sheets

Int. Cl. : A 23 L 1/00.

165071

APPARATUS AND METHOD FOR CONTINUOUSLY AND ASEPTICALLY PRODUCING A PUMPABLE FOOD PRODUCT UNDER PRESSURE.

Applicant : MARLEN RESEARCH CORPORATION, OF 9201, BOND STREET, OVERLAND PARK, KANSAS 66214, U. S. A., A KANSAS CORPORATION.

Inventors : (1) JAMES EDWARD WHITE, (2) LEWIS FRANK ALLEY, (3) JAMES EDWARD ANDERSON, (4) JACKIE DALE BIRDSELL.

Application No. 618/Mas/85 filed August 7, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

14 Claims

Apparatus for continuously and aseptically producing a pumpable food product under pressure, said apparatus comprising :

constant pressure pump means for delivering a continuous stream of said product at a substantially constant pressure;

a continuous processing assembly operably coupled with said pump means which comprises means for heating said continuous pressurized stream of product to a

processing temperature, and holding means downstream of said heating means for holding said heated and pressurized stream for a period of time to assure aseptic cooking of the product stream; and

metering means operatively connected to said assembly downstream of said holding means for maintaining a substantially constant flow rate of product.

Compl. specn. 21 pages.

Drg. 1 sheet

Int. Cl.⁴ : A 61 K 31/24.

165072

PROCESS FOR PREPARING A COMPOSITION FOR USE AS TOPICAL PERCUTANEOUS ANAESTHETIC.

Applicant : SOCIETE D'ETUDES SCIENTIFIQUES ET INDUSTRIELLES DE L'ILE-DE-FRANCE, ORGANIZED UNDER THE LAWS OF FRANCE, OF 46 BOULEVARD DE LATOURMAUBOURG, 75340 PARIS CEDEX 07, FRANCE.

Inventors : (1) DERMOT McCAFFERTY AND (2) DAVID WOOLFSON.

Application No. 643/Mas/85 filed August 16, 1985.

Convention date : September 8, 1984. (No. 8422759: Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

Process for preparing a composition for use as topical percutaneous anaesthetic which consists in mixing 1 to 7% by weight of amethocaine, a gelling agent selected from 0.5 to 2% by weight of carbomer or 3 to 10% by weight of methyl-cellulose and 81 to 94.5% by weight water.

Compl. specn. 8 pages

No Drg.

Int. Cl.⁴ : A 61 K 35/78.

165073

A METHOD OF PREPARING AN EXTRACT OF NERIUM SPECIES.

Applicant & Inventor : HUSEYIN ZIYA OZEL OF YILDIZ POSTA COL. 14/706 GAYZETTEPE ISTANBUL, TURKEY, A CITIZEN OF REPUBLIC OF TURKEY.

Application No. 344/Mas/87 filed 12th May 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A method of preparing an extract of Nerium species comprising :

- dispersing the plant matter of said Nerium species in water;
- heating said dispersed plant matter at a temperature of 100°C for about 2½ hrs.;
- separating the heated solvent of step b from said plant matter; and
- heating the separated solvent step cat a temperature 100°C to concentrate the extract to a density of about 1010.

The extract prepared according to this invention is useful in treating cell-proliferative diseases in animals.

Compl. specn. 38 pages.

Drg. Nil

Int. Cl. : A 61 K 31/395.

165074

A METHOD FOR PREPARING A COATED VETERINARY IMPLANT.

Applicant : GENE LINK AUSTRALIA LIMITED, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF VICTORIA, AUSTRALIA, OF LEVEL. 12, 222 KINGSWAY SOUTH MELBOURNE, VICTORIA, AUSTRALIA.

Inventors : LINTON DREW STAPLES; ROBERT IAN NORMAN; ROBERT BRENT DAVEY; CATHERINE HASTINGS; JENNIFER KIDD; JATNI HACHMAT.

Application No. 380/Mas/87 filed 22nd May 1987.

Convention dated 23rd May 1986 (No. PH 6077; Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A method for preparing a coated veterinary implant which comprises mixing an effective amount of melatonin, its derivatives or a mixture thereof with 1 to 75% by weight of a known compressible pharmaceutical carrier; adding to the said mixture 1 to 10% by weight of a granulating agent such as herein described and granulating the mixture in a known manner, compressing the granulated mixture to obtain veterinary implant, coating the veterinary implant thus obtained with a first coating of 0.5 to 2.5% of ethyl cellulose polymer and then with a second coating of 0.25 to 1.25% ethyl cellulose polymer.

Compl. specn. 62 pages.

Drgs. 19 sheets

Int. Cl.⁴ : C 07 C 127/00, 127/15.

165075

PROCESS FOR PRODUCING CYCLIC UREAS.

Applicant : MITSUI TOATSU CHEMICALS, INC., A CORPORATION ORGANISED UNDER THE LAWS OF JAPAN, OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODOKU, TOKYO, JAPAN.

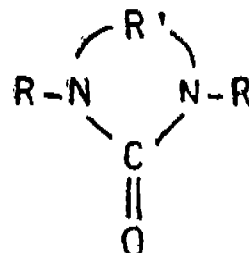
Inventors : NOBUYUKI KAJIMOTO, TERUYUKI NAGATA, MASARU WADA.

Application No. 405/Mas/87 filed 2nd June 1987.

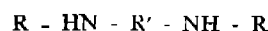
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A process for producing a cyclic urea expressed by the formula (I) of the accompanying drawings, wherein R repre-



sents a lower alkyl group and R' represents a lower alkyl group-substituted dimethylene group, trimethylene group, a lower alkyl group-substituted trimethylene group, tetramethylene group or a lower alkyl group-substituted tetramethylene group, by reacting a diamine expressed by the formula (II)



wherein R and R' are each as defined above, with urea which process comprises carrying out the reaction in the presence of a polar solvent and at a temperature of 180°C to 300°C.

Compl. specn. 25 pages.

Drg. 1 sheet

Int. Cl.⁴ : A 61 K 35/66.

165076

A METHOD FOR PRODUCING A BIOLOGIC RESPONSE MODIFIER.

Applicant : CELL TECHNOLOGY, INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF COLORADO, U.S.A., OF 1668, VALTEC LANE, BOULDER, COLORADO-80301, U.S.A.

Inventor : RICHARD W. URBAN.

Application No. 432/Mas/87 filed June 10, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A method for producing a biologic response modifier consisting of natural membrane vesicle and ribosome comprising culturing the species *Serratia marcescens* in a known culture medium, chilling said culture to 0–4°C, harvesting the bacterial cells, washing and suspending the harvested cells in a buffering system such as herein described, lysing the suspended cells at a pressure of 10,000 to 35,000 psi in the presence of a detergent to dissociate endotoxin and to produce membrane vesicles with diameters of at least 110nm as well as ribosomes removing the bacterial cell lysates from the cellular debris such as intact cells, cell walls and membrane fragments in a known manner, layering the clear cellular lysate on a known density gradient which is well tolerated by non-immunogenic humans, centrifuging the lysate to pellet the membrane vesicle and ribosome fraction in a known manner, aseptically removing the density gradient, rinsing and re-suspending said pelleted membrane vesicles and ribosome in the said buffer system.

Compl. specn. 47 pages.

Drgs. 9 sheets

Int. Cl.⁴ : C 02 F 3/18.

165077

A PROCESS FOR THE BIOLOGICAL PURIFICATION OF SEWAGE AND A DEVICE FOR CARRYING OUT SUCH A PROCESS.

Applicant & Inventor : DR. ING. REINHARD VON NORDENSKJOLD, OF AM JAGDWEG 4, D-8011 SOLOLIN-DEN, WEST GERMANY, A GERMAN CITIZEN.

Application No. 435/Mas/87 filed 12th June 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Madras Branch.

7 Claims

A process for the biological purification of sewage for obtaining clean and clear water which comprises passing an unrestricted flow of air to a selected number of aerator chains suspended into a sewage treatment tank, throttling the air supply to the remaining aerator chains to mix and aerate sewage water and the activated sludge only in the area in which aerator chains supply unrestricted flow of air, changing the unrestricted air supply so that different aerator chains supply unrestricted supply of air during specific periods so as to create a migratory wave form, allowing the sediments to settle and thereafter separating the sediments in a known manner from the thus treated sewage to obtain clean water.

Compl. specn. 34 pages.

Drgs. 4 sheets

Int. Cl.⁴ : A 23 L 3/12.

165078

A METHOD OF MANUFACTURING STERILISED OR PASTEURISED FOOD PRODUCTS.

Applicant : ALFASTAR AB, OF BOX 500, 14700 TUMBA, SWEDEN.

Inventor : LENNART STENSTROM.

Application No. 443/Mas/87 filed June 17, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A method of continuously sterilising or posteurising food products while retaining its original flavour which comprises conveying the food products packed in a known microwave transparent packing material through a heat treatment channel having a microwave heater, subjecting the packed food products to the heat emanating from the microwave heater till at least a portion of the food product reaches a predetermined temperature which is higher than the desired sterilisation/pasteurisation temperature of the food packed therein, thereafter reducing the heat of the microwave heater so as to maintain the temperature of the heated portion of the food product at or just below the said predetermined temperature till the entire food product contained in the packing attains the desired sterilisation/pasteurisation temperature.

Compl. specn. 23 pages.

Drgs. 2 sheets

Int. Cl.⁴ : C 07 C 97/06.

165079

PROCESS FOR PREPARING ARYLCYCLOBUTYLALKYLAMINE DERIVATIVES.

Applicant : THE BOOTS COMPANY PLC., A BRITISH COMPANY, OF 1 THANE ROAD WEST, NOTTINGHAM, ENGLAND.

Inventors : (1) JOHN ROSINDALE HOUSLEY, (2) JAMES EDWARD JEFFERY, (3) DAVID NORMAN JOHNSTON, (4) BRUCE JEREMY SARGENT.

Application No. 549/Mas/87 filed July 31, 1987.

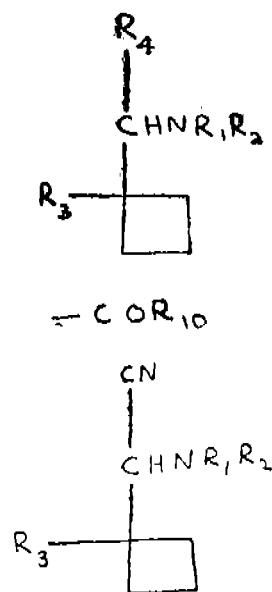
Divided out of Patent No. 162780 (1013/MAS/85) (Ante-dated to 17th December, 1985).

Convention date : January 17, 1985; (No. 85/01192; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Madras Branch.

1 Claim

A process for the preparation of compounds of formula I of the accompanying drawings



in which the group NR_1R_2 is selected from dimethylamino, diethylamino, tert-butylamino, N-butyl-N-methylamino, N-methyl-N-(2-morpholinoethyl) amino, N-(2-hydroxyethyl)

amino, N-cyclohexyl-N-methylamino, piperidino, morpholino, 1, 2, 3, 6-tetrahydropyridyl or 4-methylpiperidino group; R_2 is phenyl, naphthyl or phenyl substituted by one or more fluoro, chloro, bromo, trifluoromethyl, methyl, methoxy, methylthio or phenyl groups and R_4 is a group of formula II of the accompanying drawings

in which R_{10} is a saturated or unsaturated aliphatic group containing 1 to 8 carbon atoms or a cycloalkyl group, said process comprising the reaction of aminonitriles of formula III of the accompanying drawing

in which NR_1R_2 and R_3 are as defined above, with an organolithium reagent of formula R_3Li followed by hydrolysis and recovering the compounds of formula I in a known manner.

The compounds of this invention are useful in the treatment of depression.

Compl. specn. 18 pages.

Drg. 1 sheet

Int. Cl.⁴ : C 07 C 91/02.

165080

PROCESS FOR PREPARING ARYL-CYCLOBUTYL-AMINE DERIVATIVES.

Applicant : THE BOOTS COMPANY PLC., A BRITISH COMPANY OF 1, THANE ROAD WEST, NOTTINGHAM, ENGLAND.

Inventors : (1) JOHN ROSINDALE HOUSLEY, (2) JAMES EDWARD JEFFERY, (3) DAVID NORMAN JOHISTON, (4) BRUCE JEREMY SARGENT.

Application No. 550/Mas/87 filed July 31, 1987.

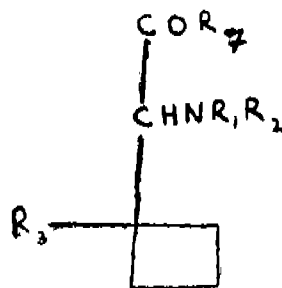
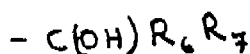
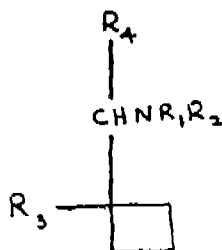
Convention date : January 17, 1985; (No. 85/01192 United Kingdom).

Divisional to Patent No. 162780 (Ante-dated to 17th December, 1985).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

1 Claim

A process for the preparation of compounds of formula I shown in the accompanying drawing



in which the group NR_1R_2 is selected from dimethylamino, diethylamino, N-butyl-N-methylamino, N-methyl-N-(2-morpholinoethyl)-amino, N-cyclohexyl-N-methylamino piperidino or morpholino; R_3 is phenyl, naphthyl or phenyl substituted by one or more halo, trifluoromethyl, methyl, methoxy, methylthio or phenyl groups and R_4 is a group of formula II shown in the accompanying drawing

in which R_3 is H and R_7 is a straight or branched, saturated or unsaturated aliphatic group containing 1 to 5 carbon atoms said process comprising the reduction of compounds of formula III shown in the accompanying drawing

by sodium borohydride in the presence of a solvent selected from ethanol, industrial methylated spirit, propan-2-ol or by borane-methylated spirit, propan-2-ol or by borane-methylsulphide complex in the presence of tetrahydrofuran at a temperature between ambient and the boiling point of the solvent for sufficient time to complete the reduction.

The compounds of this invention are useful in the treatment of depression.

Compl. specn. 22 pages.

Drg. 1 sheet

CLASS : 85-J.

165081

Int. Cl. : F 27 b 1/00.

APPARATUS FOR CHARGING A SHAFT FURNACE FOR BURNING CARBONACEOUS MINERAL MATERIAL.

Applicant : VOEST-ALPINE AKTIENGESELLSCHAFT, MULDENSTRASSE 5, A-4020 LINZ, AUSTRIA.

Inventors : (1) DIPL. ING. MICHAEL NAGL, (2) ING. GERHARD FUGGER, (3) ING. JAROSLAV MRAZ, (4) DIPL. ING. HORST MAILANDER, (5) ERNST ROTTENMANNER, (6) DIPL. ING. NORBERT RAUBER, (7) ING. WOLFGANG LUGER.

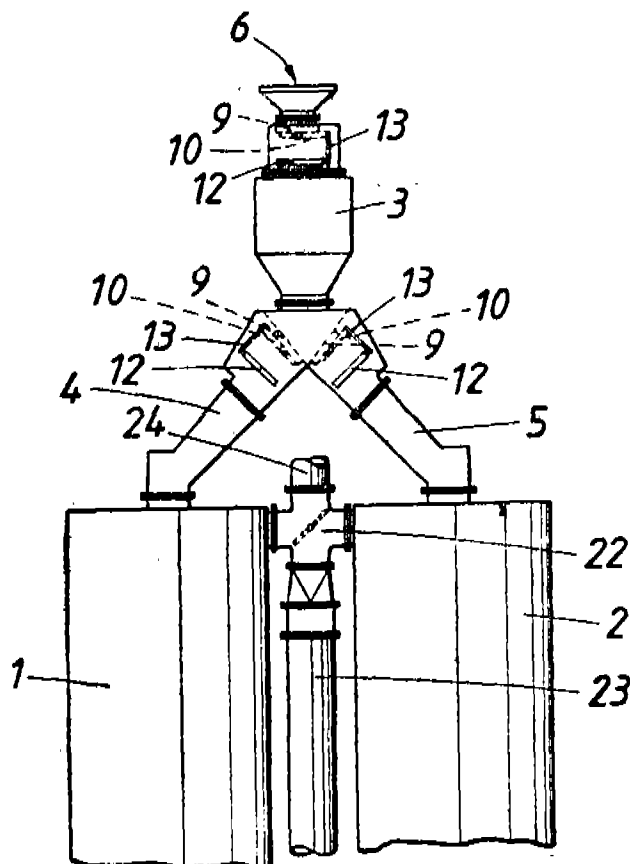
Application No. 226/Cal/86 filed March 19, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Charging apparatus for charging a shaft furnace for burning carbonaceous mineral material in at least two furnace shafts, which comprises a common feed container, which is connected to each furnace shaft by a separate charging duct, characterized in that the feed container is designed to constitute a lock chamber which is provided with a shut-off valve for controlling the inlet port of the feed container and

with two or more shut-off valves for controlling respective outlet ports connected to the charging ducts.



Compl. specn. 10 pages.

Drgs. 3 sheets

CLASS : 40-B.

165082

Int. Cl. : B 01 j 19/00.

SYSTEM FOR INCREASING THE CONVERSION YIELD AND REDUCING ENERGY CONSUMPTION IN HETEROGENEOUS SYNTHESIS REACTORS.

Applicant : AMMONIA CASALE S. A., VIA DELLA POSTA 4, 6900 LUGANO (TI), SWITZERLAND AND UMBERTO ZARDI, VIA LUCINO 57, 6932 BREGANZONA (TI), SWITZERLAND.

Inventors : UMBERTO ZARDI.

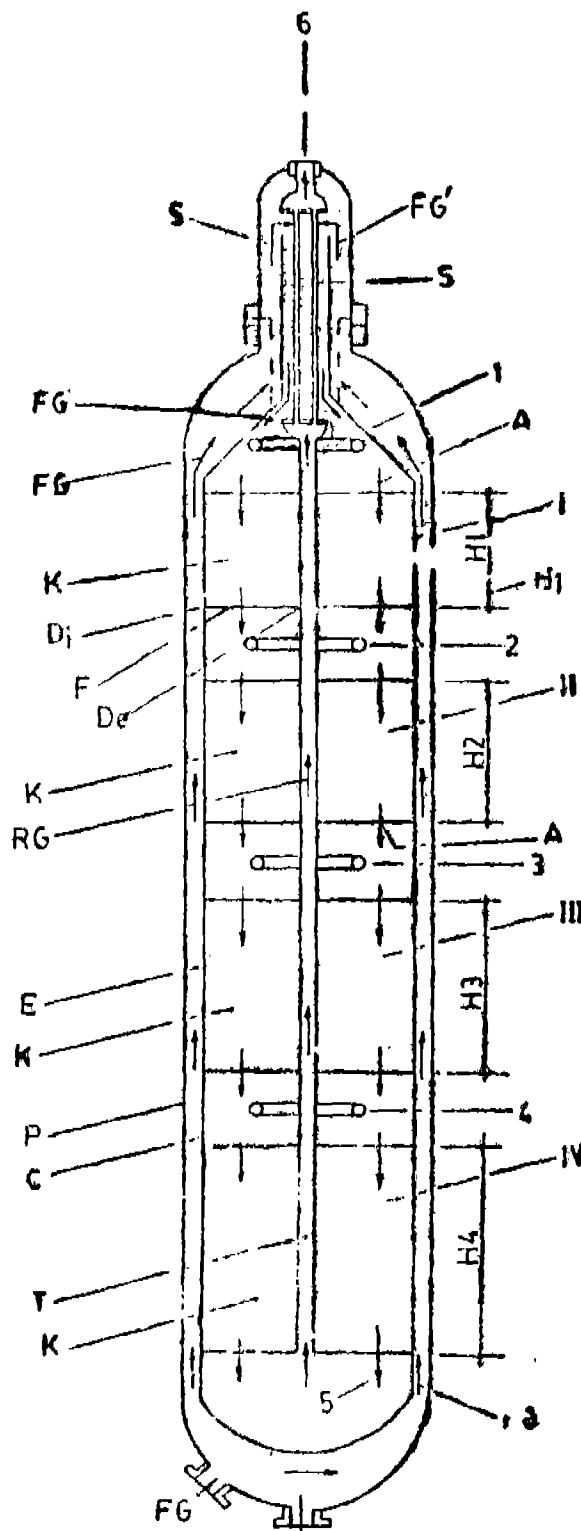
Application No. 264/Cal/86 filed April 02, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

System for increasing the conversion yield and reducing energy consumption in heterogenous synthesis reactors, in particular for ammonia and methanol synthesis, consisting of an external shell (P), usually formed of a single piece and of an internal cartridge (C) having outer diameter (D) and containing granular catalyst arranged in one or more catalytic beds (K) that have axial height (Hi) and are embodied between an external cylindrical wall formed of parts of said cartridge (C) having internal diameter (Di) and height (Hi) and an internal cylindrical wall formed of parts of an internal transfer pipe of the fresh synthesis gas (T) having diameter (De) (small compared to Di) and a bottom (F), the upper transversal face of each bed being open and fed by the synthesis gas in an axial flow, characterized by the fact that for delimiting the catalytic beds the following operations are performed in at least one of the beds :

- inside and near the cartridge (C) external wall a cylindrical wall (Fe) is inserted which is substantially perforated on its height (Hi) and has a diameter (Di) slightly smaller than the internal diameter (Di) of said cartridge (C);
- an internal cylindrical wall is also inserted which is also substantially perforated on said height (Hi) of the catalytic bed and has a larger diameter (De) and that (De) of said internal transfer pipe (T); and
- a sealed annular bottom (Fo) is applied in the lower end (F) of the catalyst bed.



Compl. specn. 22 pages.

Drgs. 5 sheets

CLASS : 80-H.

165083

Int. Cl. : B 01 d 35/00, 17/00.

AN APPARATUS FOR SEPARATING MULTI PHASE LIQUID MIXTURES AND AN INSTALLATION INCORPORATING SAID APPARATUS.

Applicant : NOEL CARROLL, OF SHERBROOKE ROAD, SHERBROOKE, 3789, IN THE STATE OF VICTORIA, COMMONWEALTH OF AUSTRALIA.

Inventor DAVID ANDREW WEBB.

Application No. 313/Cal/86 filed April 23, 1986 .

Convention dated 23rd April, 1985 (No. PH 0274) (Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Apparatus for separating multi-phase liquid mixtures or at least partially separating a more dense liquid component of the mixture from a less dense liquid component thereof, comprising :

an outer casing have a cavity therein, an intake port through which, in use, the mixture is fed to the apparatus;

a first outlet port from which the less dense liquid component can be discharged from the apparatus and a second outlet port from which the more dense liquid component can be discharged from the apparatus

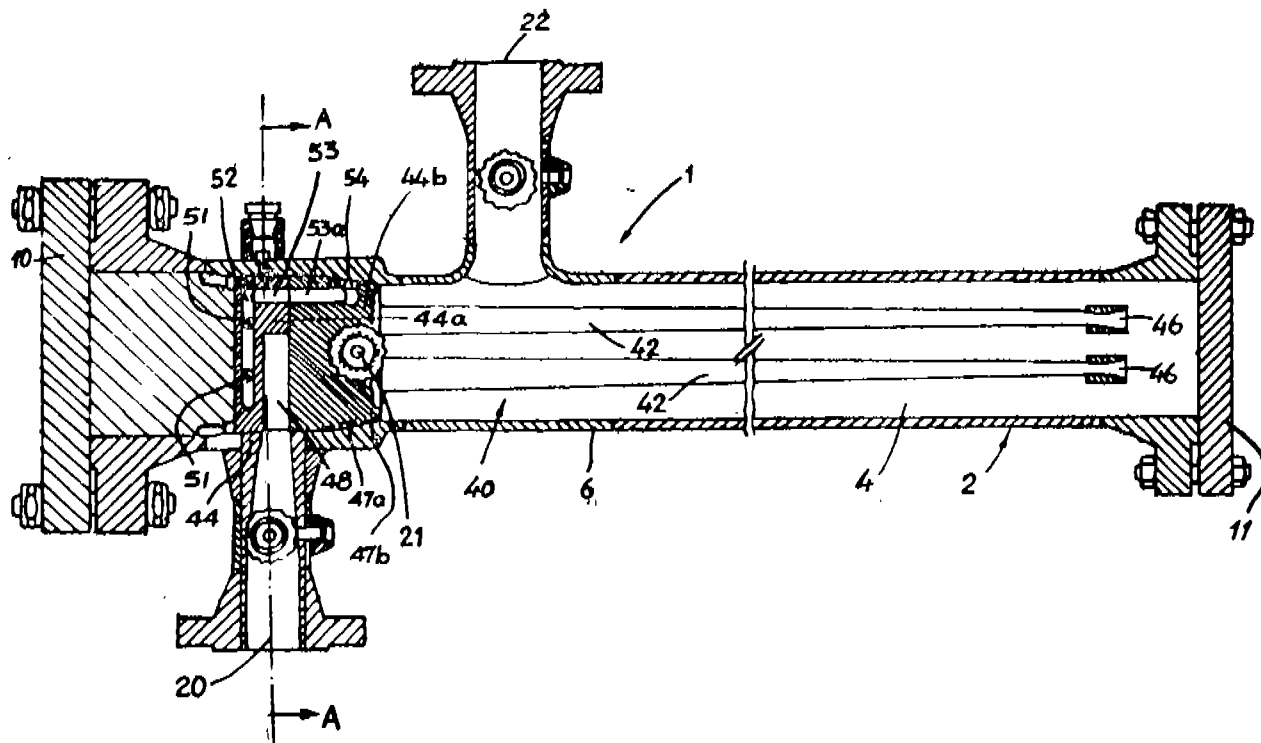
the apparatus further including a cyclone separating means located within said casing and which comprises a plurality of separating chambers;

each chamber having a primary portion which has a greater cross-sectional dimension at one end than at its other end and comprising a tangential inlet;

an over flow outlet at said one end of the separating chamber of greater cross sectional dimension and an under flow outlet at the other end;

a block-like element extending transversely across the casing in sealing relationship with the wall thereof to define the cavity, the underflow outlets of the separating chamber communicating with the cavity so that more dense component of the mixture can pass into the cavity to be discharged through the second outlet port; and

the over flow outlet passage at least partially formed in said block-like element hence to the first outlet port, said overflow outlet passage being located in a position between the intake port and the second outlet port.



Compl. specn. 11 pages.

Drgs. 4 sheets

CLASS : 172-C₁ & 9.

165084

Int. Cl. : D 01 g 15/46.

AN IMPROVED SILVER COILER INCLUDING A UNIDIRECTIONALLY ROTATING ROTARY HEAD ASSEMBLY.

Applicant : TRUTZSCHLER GMBH & CO. KG., OF DUVENSTR. 82—92, D-4050 MONCHENGLADBACH 3, WEST GERMANY.

Inventor : JURGEN KLUTTERMANN.

Application No. 315/Cal/86 filed April 23, 1986.

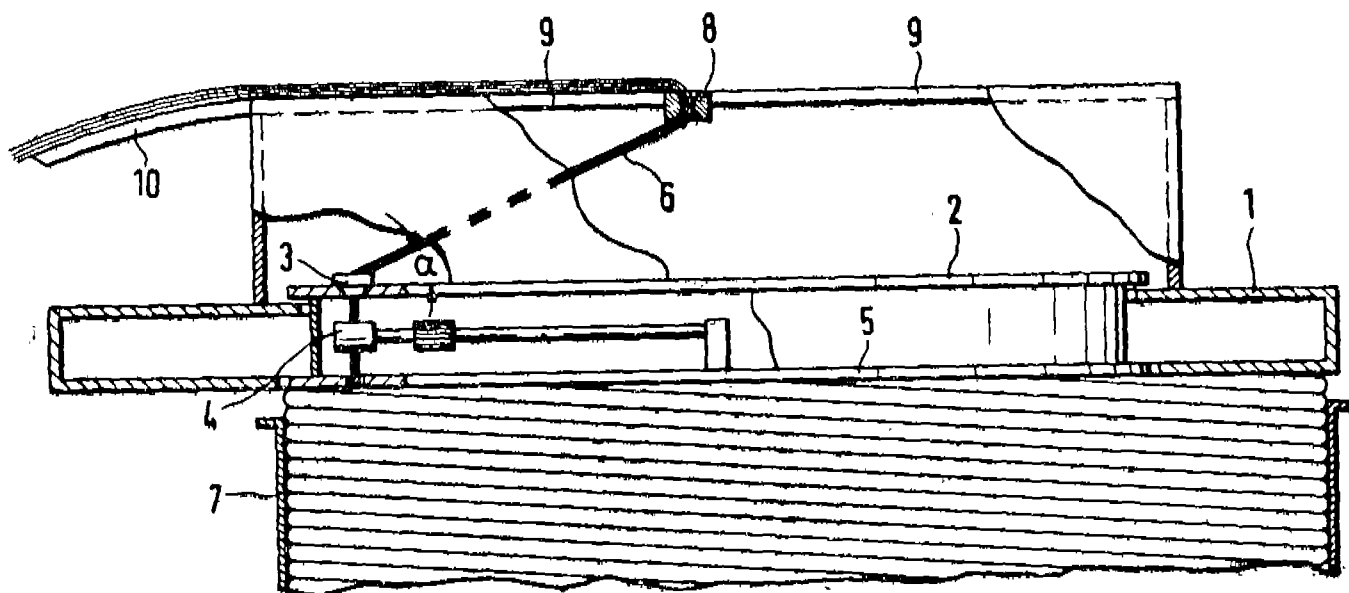
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

An improved silver coiler including a unidirectionally rotating rotary head assembly having a radius and a generally horizontal plane of rotation; a silver trumt eccentrically

mounted in the rotary head assembly and a sliver supporting means including a fixedly held, immovable sliver guide element situated centrally above said rotary head assembly at a distance therefrom; the sliver having an unsupported running portion extending through a free space linearly from said

sliver guide element to said sliver trumpet; wherein the improvement comprises in that the angle formed between said plane of rotation and a line connecting said sliver guide element with said sliver trumpet is 45° at the most, permitting high running speeds of the sliver.



Compl. specn. 11 pages.

Drgs. 3 sheets

Int. Cl. : 08 j 7/00.

165085

METHOD FOR TREATMENT OF THE SURFACE OF A SYNTHETIC PART OF AN ARTICLE.

Applicant : JURGEN STOCK, OF AM BULTEN 3, 3300 BRAUNSCHWEIG, FEDERAL REPUBLIC OF GERMANY.

Inventors :

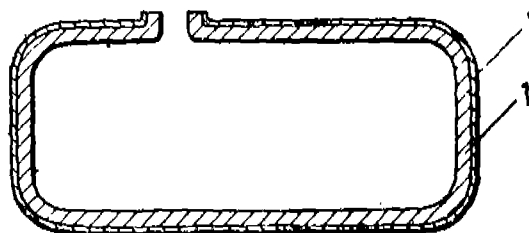
Application No. 629/CaI/86 filed August 19, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A method for the treatment of the surface of a synthetic part of an article in particular made of polypropylene or polyethylen, wherein a naturally occurring enzymatically functionalized cellulose derivative having a functional group of phosphate, sulphate, carbonate or an amino group is dissolved in water and this solution is deposited on the surface of the synthetic part to form a film thereon by drying and wherein monomers or polymers are optionally added to the

solution of the cellulose derivative to react with the corresponding function groups of the cellulose derivative..



Compl. specn. 10 pages .

Drg. 1 sheet

Int. Cl. : C 09 b 19/00.

165086

PROCESS FOR THE PREPARATION OF WATER-SOLUBLE TRIPHENDIOXAZINE COMPOUNDS.

Applicant : HOECHST AKTIENGESellschaft, D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

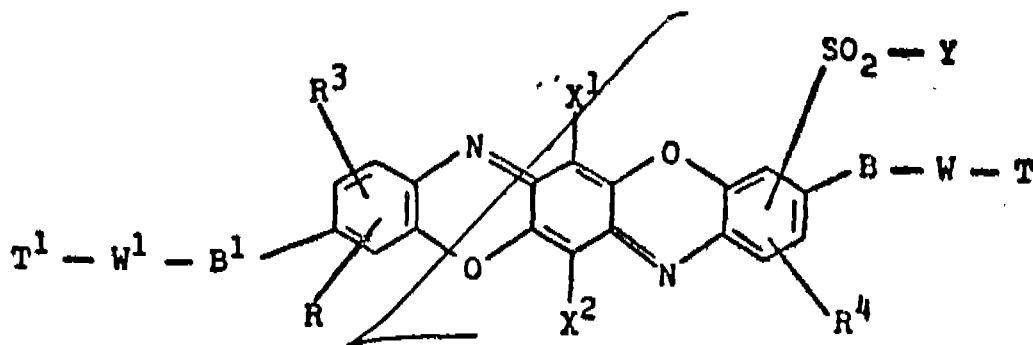
Inventors : (1) HARTMUT SPRINGER, (2) GUNTHER SCHWAIGER, (3) WALTER HELMLING.

Application No. 639/Cal/86 filed August 22, 1986.

13 Claims

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1. A process for the preparation of a water-soluble triphenyldioxazine compound corresponding to the general formula (1) of the accompanying drawings



in which

R is a hydrogen atom or a water-solubilizing group, such as a carboxy or sulfo group, or an alkyl group having 1 to 6 carbon atoms which is substituted by an acidic group or is an optionally substituted sulfonamide group;

B is an oxygen or sulfur atom or an amino group of the formula

$-\text{NH}-$ or $-\text{N}(\text{R}')$;

in which

R' is alkyl of 1 to 8 C-atoms, optionally substituted, or a cycloalkyl group having 5 to 8 carbon atoms with optionally 1 to 3 methyl groups and/or an amino group, an alkanoylamino group having 2 to 5 carbon atoms or a benzoylamino group as substituents, or denotes a phenyl radical which can be substituted by 1, 2 or 3 substituents from the group comprising sulfo, halogen, alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, nitro, a group of the formula $-\text{SO}_2-\text{Y}'$ where Y' has the meaning stated below, dialkylamino with alkyl radicals having 1 to 4 carbon atoms in each case, alkanoylamino having 2 to 5 carbon atoms, and benzoylamino, or is a naphthyl radical which can be substituted by 1, 2 or 3 sulfo groups and/or a group of the formula $-\text{SO}_2-\text{Y}'$;

B¹ has one of the meanings stated for B, B¹ being identical to B or different from B;

W is a bivalent aliphatic, araliphatic or aromatic radical, which can be interrupted by 1 or 2 hetero groups which are selected from groups of the formula $-\text{O}-$, $-\text{NH}-$ and $-\text{N}(\text{R}')$, where R' has the abovementioned meaning;

W¹ has one of the meanings stated for W, W¹ being identical to W or different from W;

T is a hydrogen atom or a sulfo, sulfato, phosphato or carboxy group;

T¹ has one of the meanings stated for T, T¹ being identical to T or different from T, but T¹ necessarily being one of these water-solubilizing groups when R denotes a hydrogen atom;

R³ and R⁴ are identical to one another or different from one another and each is a hydrogen atom or an alkyl having 1 to 6 carbon atoms, an alkoxy group having 1 to 5 carbon atoms, a halogen, carboxy or sulfo;

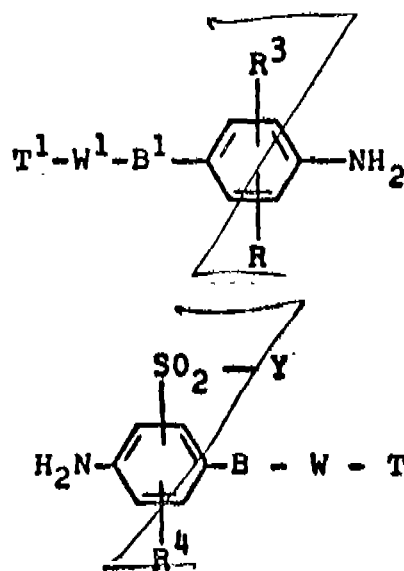
X¹ is a hydrogen atom or a halogen atom, a cycloalkyl group, an aralkyloxy group, an alkoxy group having 1 to 4 carbon atoms, an aryloxy group, an alkyl group having 1 to 4 carbon atoms, an aryl group, an aralkyl group, a cyano group, a carboxy group, a carbalkoxy group having 2 to 5 carbon atoms, an N-alkylcarbamoyle group or N, N-dialkylcarbamoyle group with alkyl radicals having 1 to 4 carbon atoms in each case, an N-arylcarbamoyle group, an alkanoylamino group having 2 to 5 carbon atoms, or an aroylamino group, the aryl radicals in these substituents being unsubstituted or substituted by 1 or 2 substituents from the group comprising halogen, nitro, alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, carboxy and sulfo;

X' is identical to X¹ or different from X¹ and has one of the meanings stated for X¹;

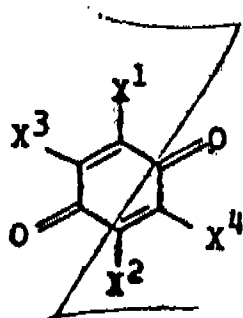
Y is the vinyl group or an ethyl group which contains a substituent in the B-position which can be eliminated by means of an alkali;

Y is the vinyl group or an ethyl group which contains a substituent in the B-position which can be eliminated by means of an alkali;

the molecule (1) necessarily contains at least one, preferably at least two, of the sulfo and sulfato groups which can be contained in the molecule (1), in which process an amino compound of the general formula (4) and an amino compound of the general formula (5)



in which Y has the abovementioned meaning or is the β -hydroxyethyl group and R, R^a, R^b, B, B¹, W, W¹, T and T¹ have the abovementioned meanings, where substituted alkyl groups in these radicals can also be hydroxy-substituted alkyl groups, and where the benzene nuclei of (4) and (5) may under no circumstances be substituted in one of the ortho positions to the specified primary amino group, are reacted with a 1, 4-benzoquinone compound of the general formula (6)



in which X¹ and X² have the abovementioned meanings and X³ and X⁴ are identical to one another or different from one another and each is a hydrogen atom, an alkoxy group having 1 to 4 carbon atom a phenoxy group or a halogen atom, where X³ and X⁴ can also have the same meaning as X¹ and X².

CLASS : 165087

Int. Cl. : G 12 b 9/10.

MOUNTING BRACKET ASSEMBLY FOR MOUNTING HOUSING MODULE IN CONTROL PANEL.

Applicant : THE BABCOCK & WILCOX COMPANY, RESIDING AT 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, U.S.A.

Inventors : (1) GEORGE ROBERT HALL II, (2) LONNIE JOE RICHMAN.

Application No. 826/Cal/86 filed November 14, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A mounting bracket assembly, for moving housing module in control panel locatable along a side of a housing module having openings to permit heat dissipation there-through that is mountable into an opening in a control panel having a front and a rear face, for providing an increased heat transfer area to the mounting bracket assembly and the housing module comprising :

a wedge shaped mounting bracket having side portions with a series of slots extending along the length thereof, the side portions extending perpendicularly to the top surface of the mounting bracket, and a beveled front portion for engaging the rear face of a control panel and causing the mounting bracket to bow towards the side of the housing module in the event of the beveled front portion being pressed against the rear face of the control panel; and

means for mounting said mounting bracket to said housing module so that an outwardly projecting lip of the housing module is pressed against the front face of the control panel when the beveled front portion is pressed against the rear face of the control panel.

Compl. specn. 25 Pages.

Drgs. 2 sheets.

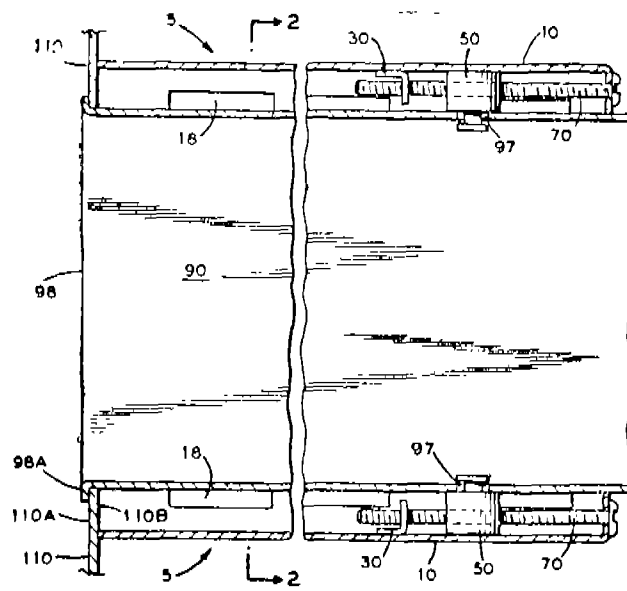


Fig. 3

CLASS : 97-A & E

165088

Int. Cl. : H 05 b 7/00; H 05 h 1/04.

ELECTRICAL METAL MELTING UNITS, PARTICULARLY INDUCTION-PLASMA UNITS FOR MELTING AND TREATING METALS AND ALLOYS.

Applicant : VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY, PROEKTNIKONSTRUKTORSKY I TEKHNOLOGICHESKY INSTITUT ELEKTRO TERMICHESKOGO OBOURODOVANIA (VNIIEITO), OF ULITS NIZHEGORODSKAYA, 29, MOSCOW, USSR.

Inventors : (1) ALEXANDR LVOVICH REZUNENKO, (2) VLADIMIR MIKHAILOVICH KONDRATIEV, (3) NIKOLAI IVANOVICH FOMIN, (4) ALEXANDR VIKTOROVICH SVIDO, (5) VLADIMIR SERGEEVICH MALINOVSKY, (6) VIKTOR VASILIEVICH DOLGOV.

Application No. 842/Cal/86 filed November 19, 1986.

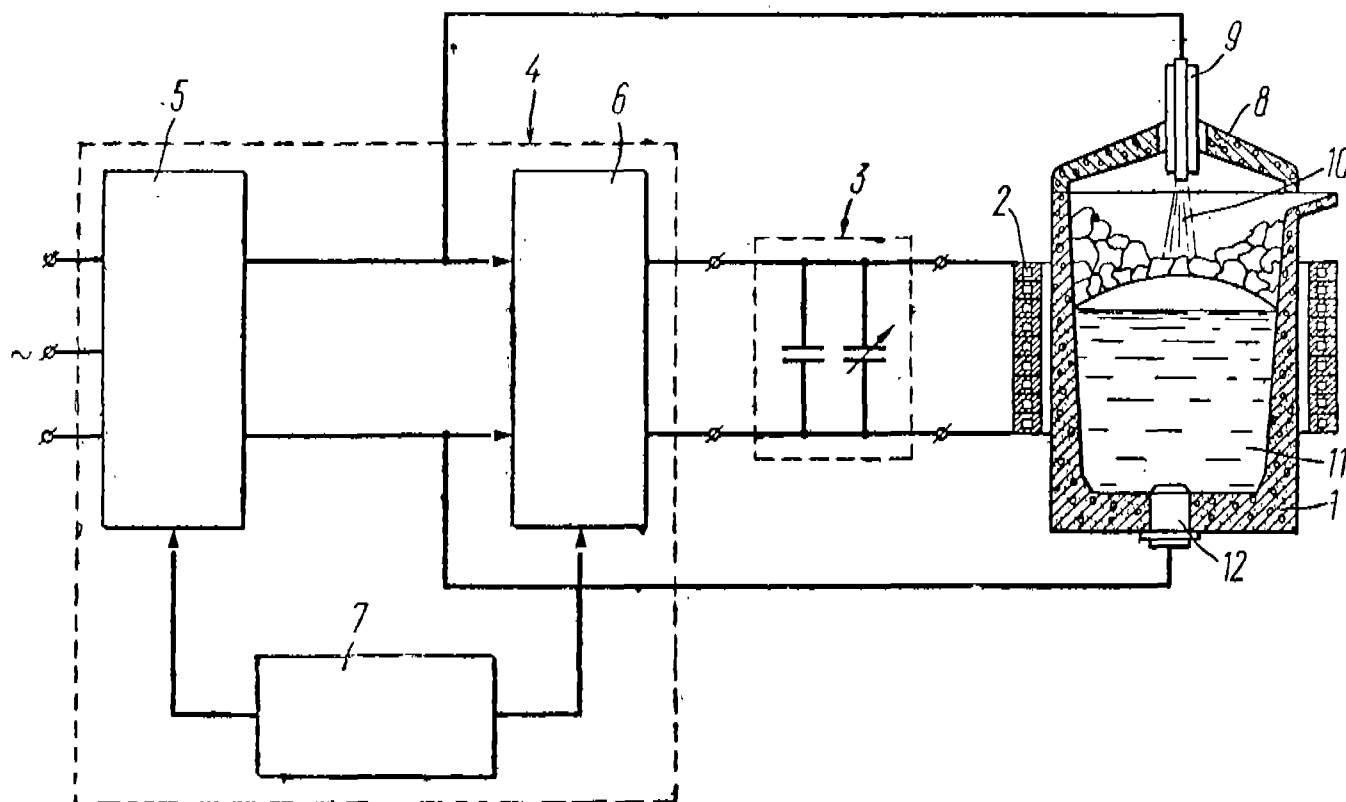
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

An electrical metal-melting unit particularly an induction-plasma unit for melting and treating metals and alloys wherein the vessel for melting a charge is received inside an inductor connected in parallel with a capacitor battery and

a controllable power source, the controllable power source comprising a rectifier connected to the input of an inverter,

with at least one plasmatron being connected to the input of the inverter.



Compl. specn. 10 pages

Drg. 2 sheets

CLASS : 165089

Int. Cl. : B 01 j 13/02; A 61 k 9/50.

A PROCESS FOR THE PREPARATION OF MICRO-CAPSULES.

Applicant : BIOGRAM AB, OF BOX 260, S-201 22 MALMO SWEDEN.

Inventors : (1) BO MAGNUS EKMAN, (2) KARE VIKTOR LARSSON, (3) AKE RIKARD LINDAHL, (4) ULF SVEN ERIK ROTHMAN.

Application No. 733/Cal/86 filed October 08, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A process for the preparation of micro-capsules, wherein a hydrophobic or lipophilic substance that is intended to be protected from the surrounding or from contact with, a other substance, is encapsulated within a surrounding protecting or contact-preventing shell, characterized by mixing a polar lipid having the ability of forming surface-active solid crystals with water or any other polar liquid wherein said surface-active crystals can be formed, such as glycerol, ethylene glycol or propylene glycol, to the formation of a mixture having a concentration of water or polar liquid, respectively, of 50-95 per cent by weight, heating said mixture to a temperature above the so-called transition temperature of said lipid, which temperature is defined as the lowest temperature at which a particle of said lipid in contact with an excess of water or polar liquid absorbs water or polar liquid, respectively, and is converted into cylindrical or spherical particles having a strong birefringence which particles are named liposomes, adding the hydrophobic or lipophilic substance before said lipid is transformed into liposomes or while it is still in the liposomic form, maintaining the mixture above said temperature with stirring until the conversion has taken place, and cooling the mixture with continued stirring to ambient temperature or the desired temperature so as to form said surface-

active solid crystals, which have a hydrophilic and a hydrophobic side where the hydrophilic side is turned outwards and the hydrophobic side is turned inwards towards the hydrophobic or lipophilic substance, whereby micro-capsules are formed, and optionally evaporating water or polar liquid to the desired solids content of the micro-capsules.

Compl. specn. 22 pages

Drg. Nil

CLASS :

165090

Int. Cl. : F 03 g 7/00.

A MECHANICAL LOGIC DEVICE AND A MECHANICAL SAFETY CIRCUIT COMPRISING SUCH DEVICES.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHER-PLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventors : (1) PETER BOHNEN, (2) LUDVIK GODESA, (3) REINHARD KUGLER, (4) ULRICH MARQUARDT.

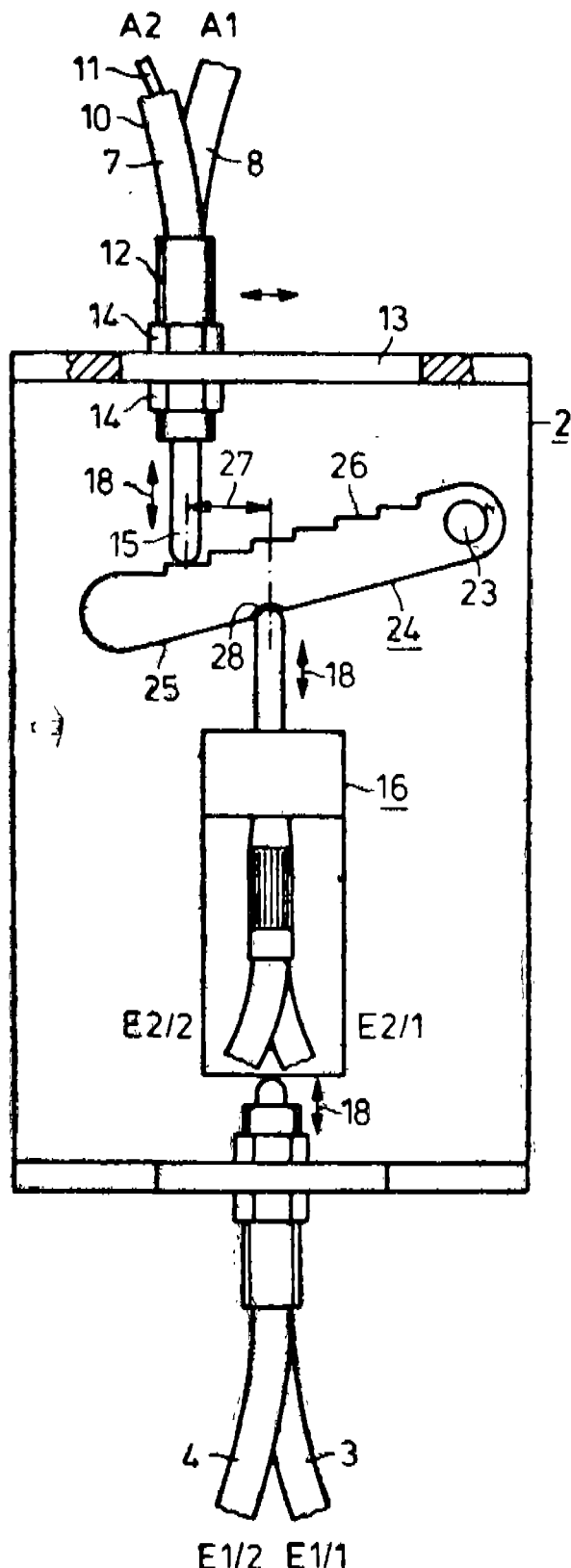
Application No. 850/Cal/86 filed November 24, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A mechanical logic device comprising at least one input element for inputting to the device mechanical input logic signals provided by movements of the or each input element, and at least one output element for outputting from the device mechanical output logic signals provided by movements of the or each output element caused in dependence upon the movements of the or each input element, the device being constructed such as to provide a predetermined logic function between the mechanical input and

output logic signals by there being within the device a movable member which is arranged to be acted-on by at least one input element and to act upon the or each output element in a manner dependent on the logic function required, the input and output elements being arranged to move in substantially parallel directions, and the movable member being arranged to move substantially parallel to these directions to these directions also.



(Compl. specn. 17 pages

Drg. 5 sheets

CLASS :

165091

Int. Cl. : F 02 c 1/00.

HEAT SHIELD ASSEMBLY, ESPECIALLY FOR STRUCTURAL PARTS OF GAS TURBINE SYSTEMS.

Applicant : SIEMENS AKTIENGESellschaft, OF WITTELSBACHERPLATZ 2, D-8000 MUNCHEN 2, WEST GERMANY.

Inventors : (1) BERNARD BECKER, (2) HELMUT MAGHON, (3) WILHELM SCHULTEN.

Application No. 855/Cal/86 filed November 25, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

Heat shield assembly, comprising :

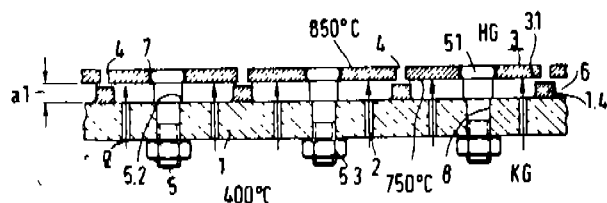
a supporting structure having an outer surface to be shielded from a hot fluid, said supporting structure having cooling fluid ducts formed therein;

an internal lining formed of heat-resistant material, said internal lining including :

mutually adjacent mushroom-shaped heat shield elements each having a cap portion in the form of a polygonal plate body having a central region, said plate bodies each covering a portion of said outer surface of said supporting structure and defining cooling fluid gaps therebetween, each of said cooling fluid gaps having a given length and extending in a given direction, and

a shaft portion thermally moveably anchoring said central region of said plate body to said supporting structure; and

said supporting structure having base rails disposed thereon opposite each of said cooling fluid gaps extending in said given direction and over substantially said given length defining a spacing between said base rails and said cap portions forming a defined throttle restriction for a cooling fluid flow.



Compl. specn. 21 pages

Drg. 3 sheets

CANCELLATION OF THE REGISTRATION UNDER SECTION 51A OF THE DESIGN RULES, 1933

An application for cancellation to the registration of each of Registered Design Nos. 160369 to 160388 in Class 1 in the name of Stellar Modular Systems Pvt. Ltd., of 303, New India Industrial Estate Off Mahakali Caves Road, Andheri East, Bombay-400093, Maharashtra, India, Indian Company has been filed by M/s. Madhur Industries on 29th May, 1989.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 3. No. 160588. Alpine Enterprises, A-140, Saraswati Vihar, Delhi-110034, India, a Partnership firm. "Mosquito Repellent". 23rd December, 1988.

Class. 3. No. 160613. Reckitt & Colman of India Limited, of 41, Chowringhee Road, Calcutta-700071, West Bengal, India, an Indian Company. "Sponge Shiner". 3rd January, 1989.

Class. 3. No. 160614. Reckitt & Colman of India Limited, of 41, Chowringhee Road, Calcutta-700071, West Bengal, India, an Indian Company. "Sponge Shiner". 3rd January, 1989.

Class. 3. No. 160622. Indian Cosmetics, 35J Raja Naba Kissen Street, Calcutta-700 005, West Bengal, India, an Indian Proprietorship Concern. "Container". 5th January, 1989.

Class. 3. Nos. 160634 & 160635. Vijay Talwar, an Indian, of 308 Karnani Mansions, 25B Park Street, Calcutta-700 016, West Bengal, India. "Display Stand". 9th January, 1989.

Class. 3. No. 160637. R. K. Chaudhary Proprietor of M/s. Metplast India, C/E-28, Old Kavi Nagar, Ghaziabad, U.P. India. "Tooth Brush Covers". 10th January, 1989.

Class. 3. Nos. 160725 & 160726. Establishments Renault, a Societe Anonyme organised under the laws of France, of Chemin des Huguenots, 26000

Valence, France, "Ball Point Pen". 16th February, 1989.

Class. 3. No. 160760. Niranjana Plastics, 19/7, Botawala Building, Sitladevi Temple Road, Bombay-400016, Maharashtra, India, an Indian Proprietorship firm. "Carboys". 28th February, 1989.

Class. 3. No. 160805. Balsara Hygiene Products Ltd., an Indian Company, at 43, N. Master Road, Fort, Bombay-400 023, Maharashtra, India. "Heating Device for Mosquito Repellent". 13th March, 1989.

Class. 3. No. 160878. Chinn Patel, an Indian national, trading as Nicol Traders, 872, East Park Road, Koral Bagh, New Delhi-110005, India. "Plastic Louvers for Fluorescent Tubelight Fittings". 14th April, 1989.

Class. 4. No. 160758. Ashoke Enamel & Glass Works (P) Ltd., 34A Metcalfe Street, Calcutta-700 013, West Bengal, India, an Indian Company. "Bottle". 24th February, 1989.

Class. 8. No. 160794. Taj Mahal Collections, Taj Mahal Building, Chauri Road, Bhadohi-221401, Distt. Varanasi (U.P.), India. "CARPET". 9th March, 1989.

Class. 3. Nos. 160795 & 160796. Kohinoor Woollen Carpet Industries, Village Ghatampur, Post Aural, Distt. Varanasi (U.P.), India. "Carpet". 9th March, 1989.

Class. 8. Nos. 160797, 160798, 160800 & 160801. Popular Carpet Industries, Village Mednipur, Post Muha-raiganj, District Varanasi (U.P.) India. "Carpet". 9th March, 1989.

R. A. ACHARYA
Controller General of Patents, Designs
and Trade Marks

